

Program EVALPLOT
(Version 2015-2)

by

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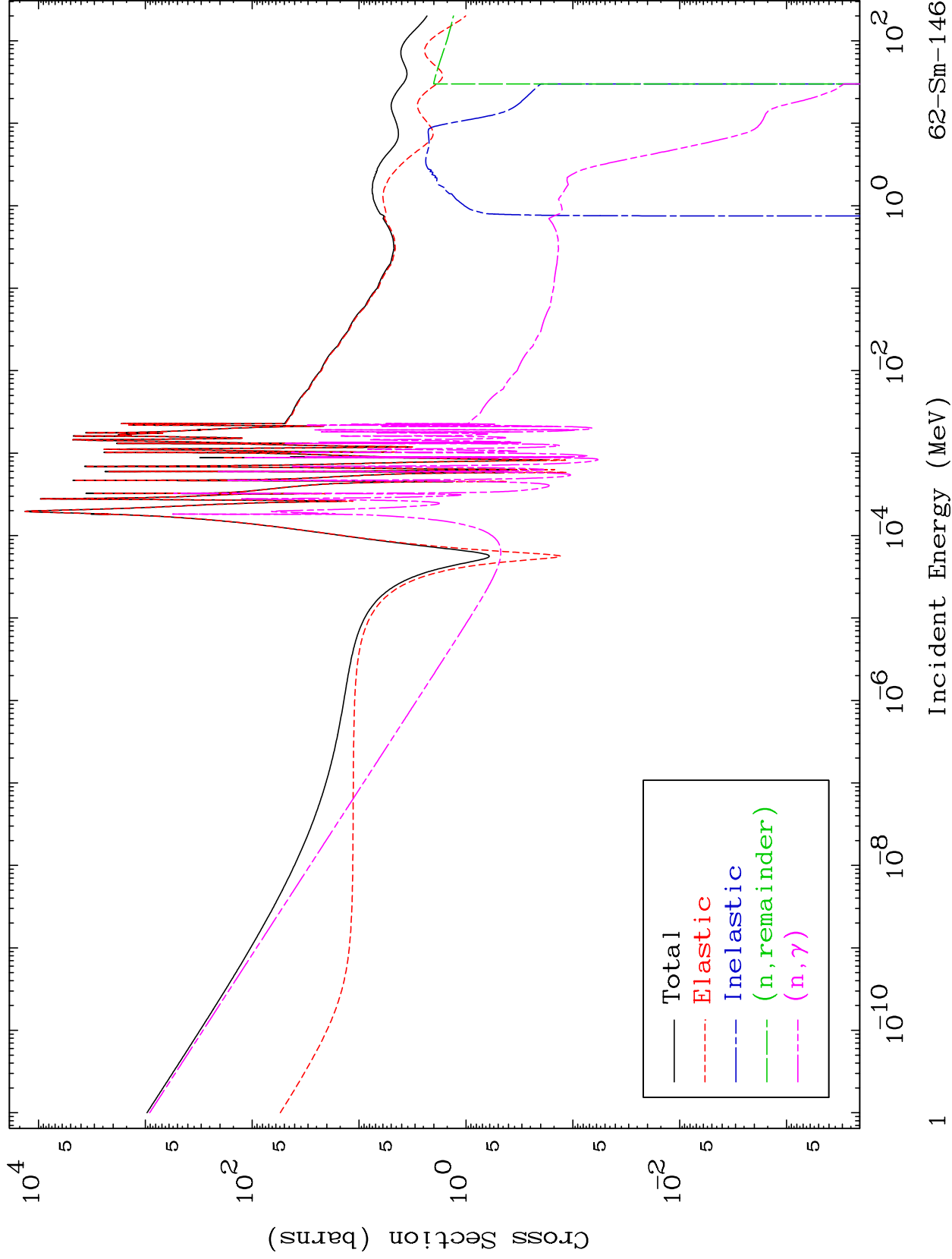
Press Mouse Button to Start

MAT 6231

Major

293 Kelvin Cross Sections

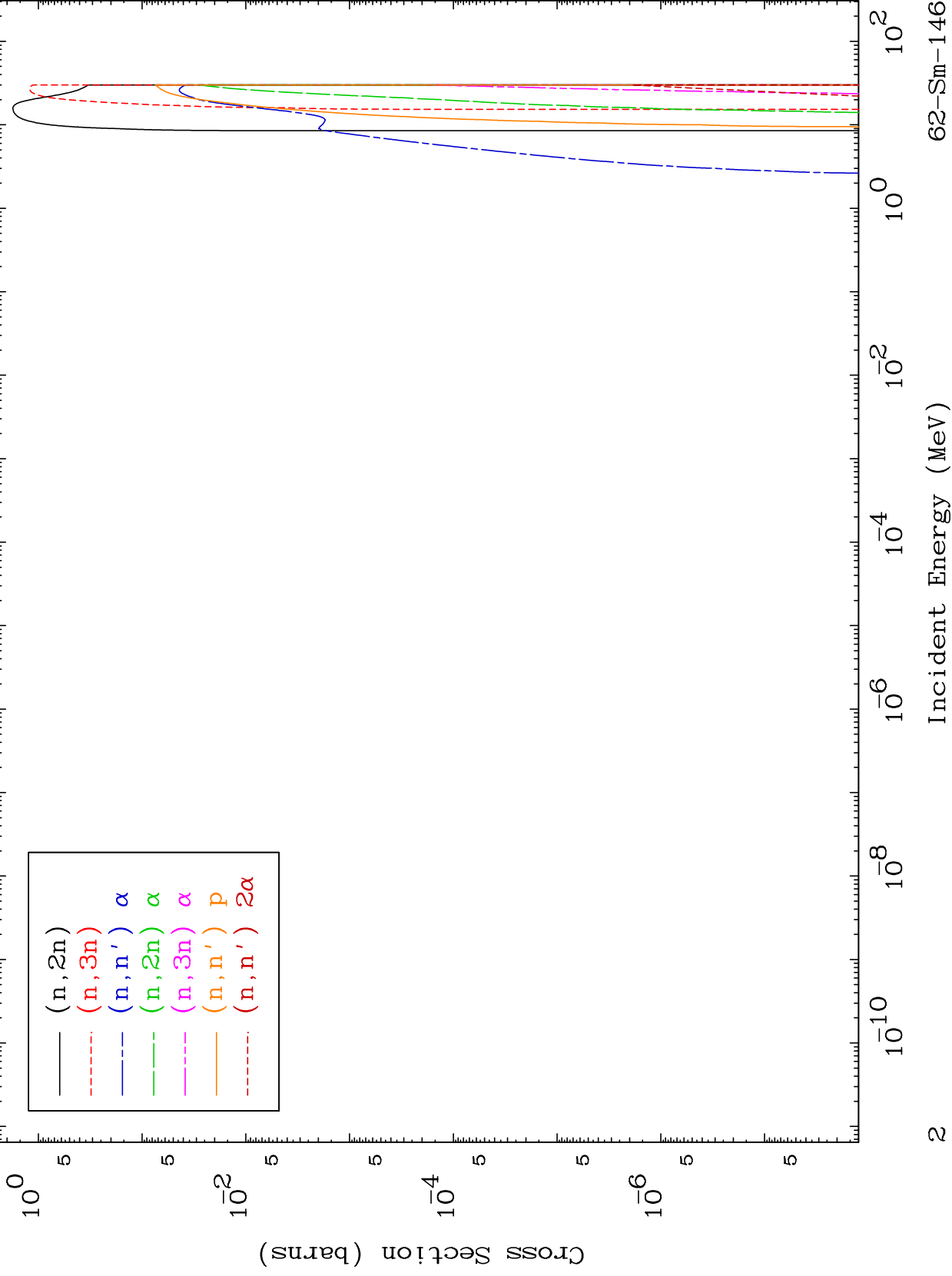
62-Sm-146

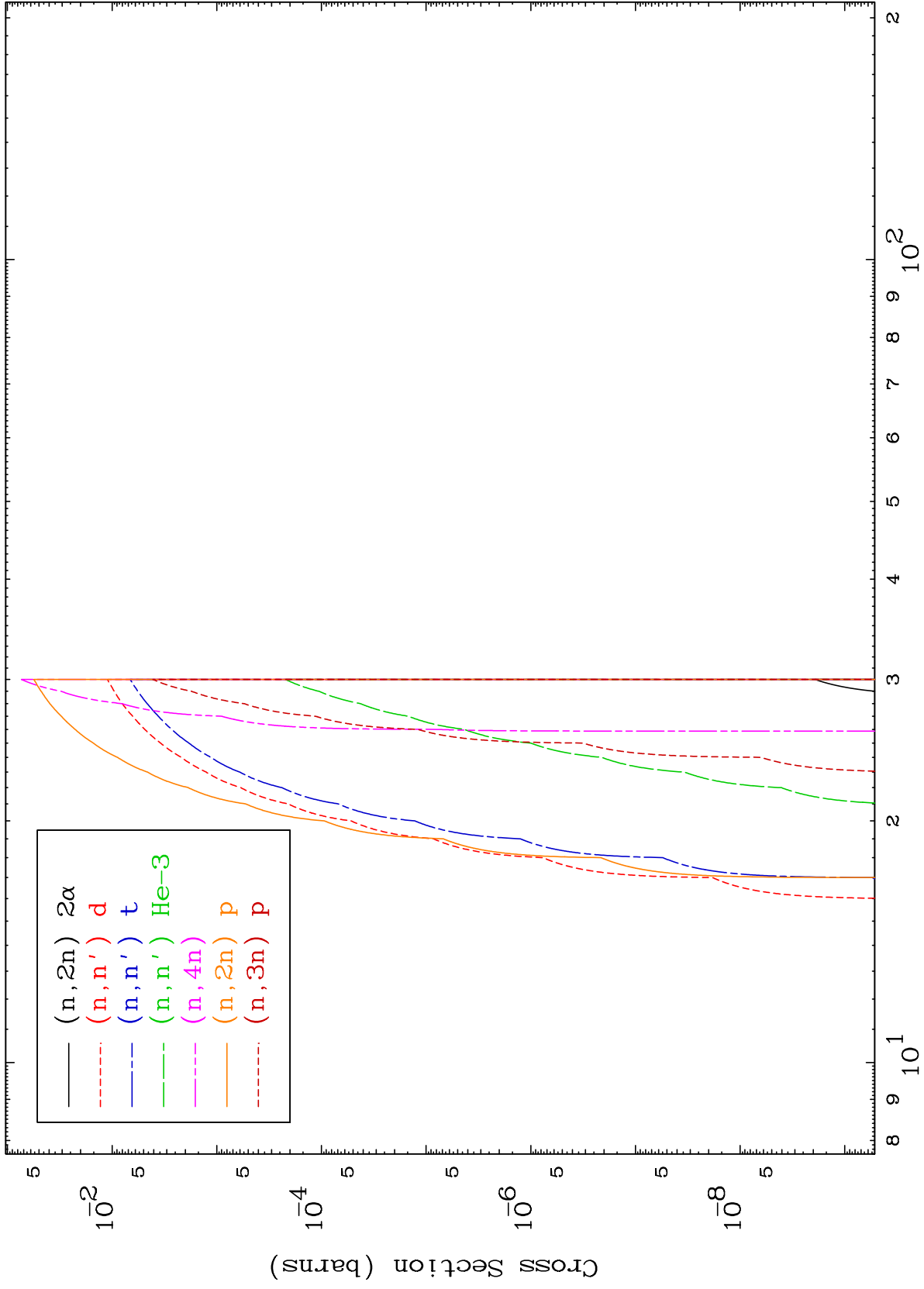


MAT 6231

Neutron Production
293 Kelvin Cross Sections

62-Sm-146

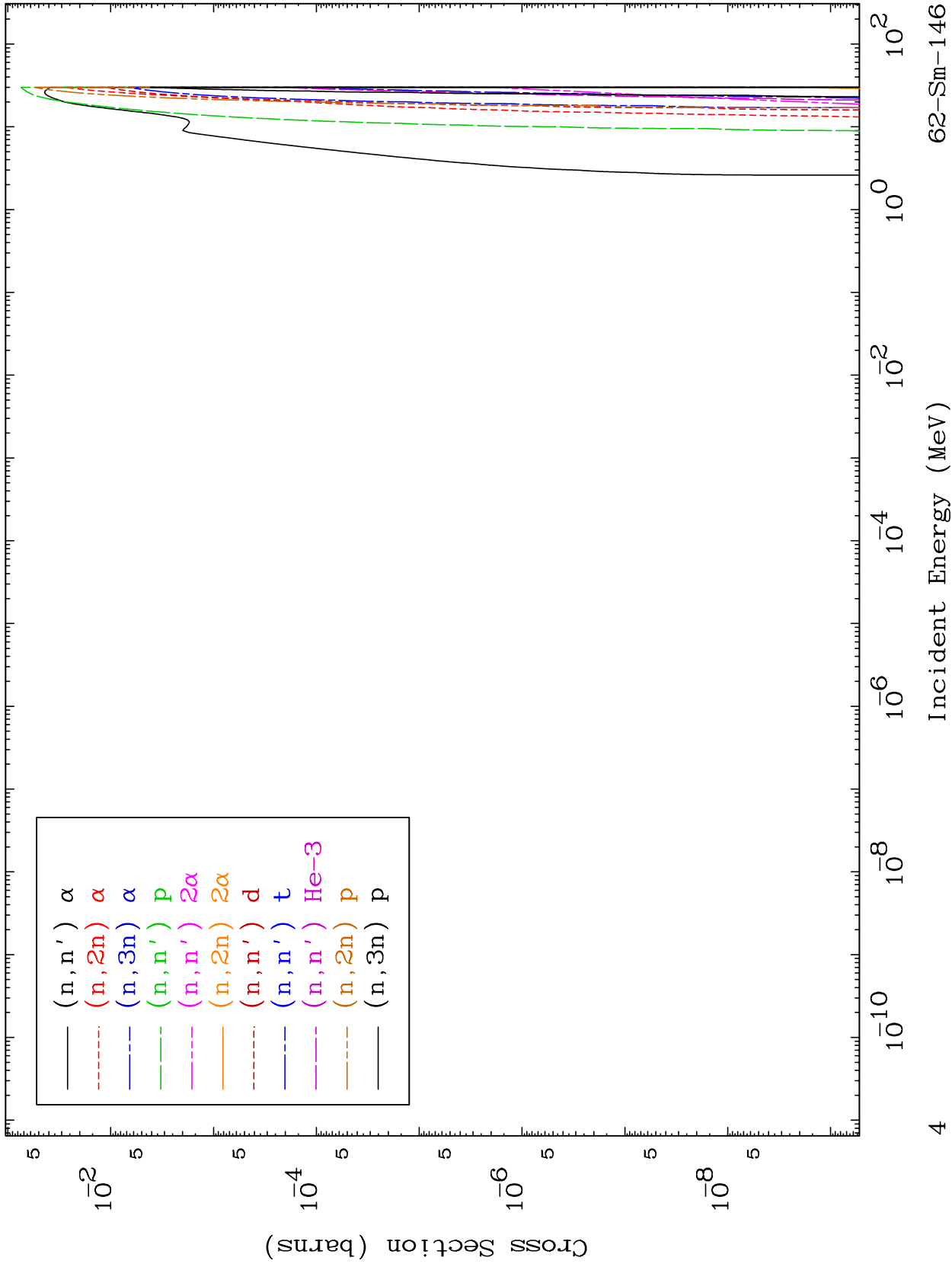




MAT 6231

Charged Particle
293 Kelvin Cross Sections

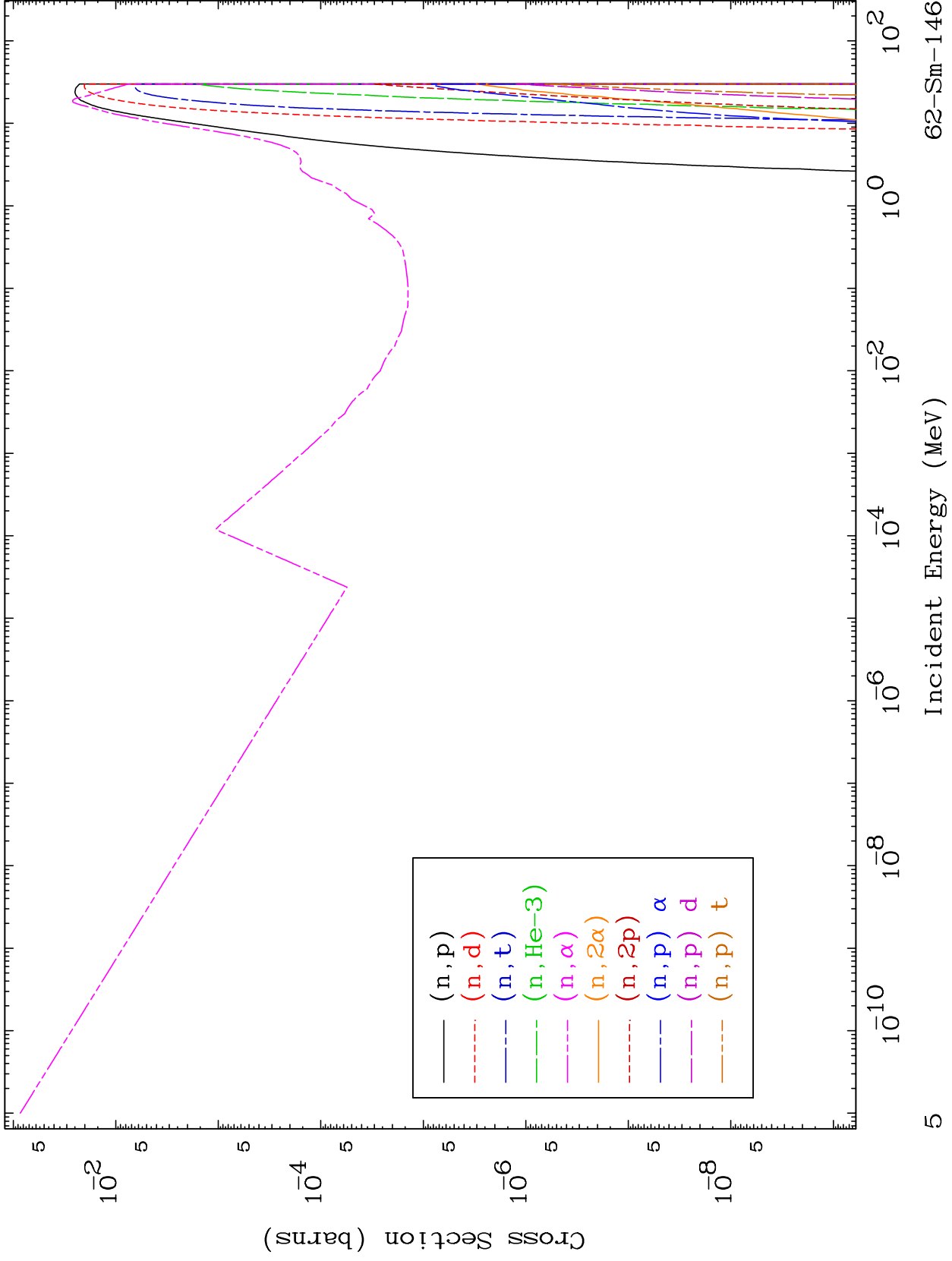
62-Sm-146



MAT 6231

Charged Particle
293 Kelvin Cross Sections

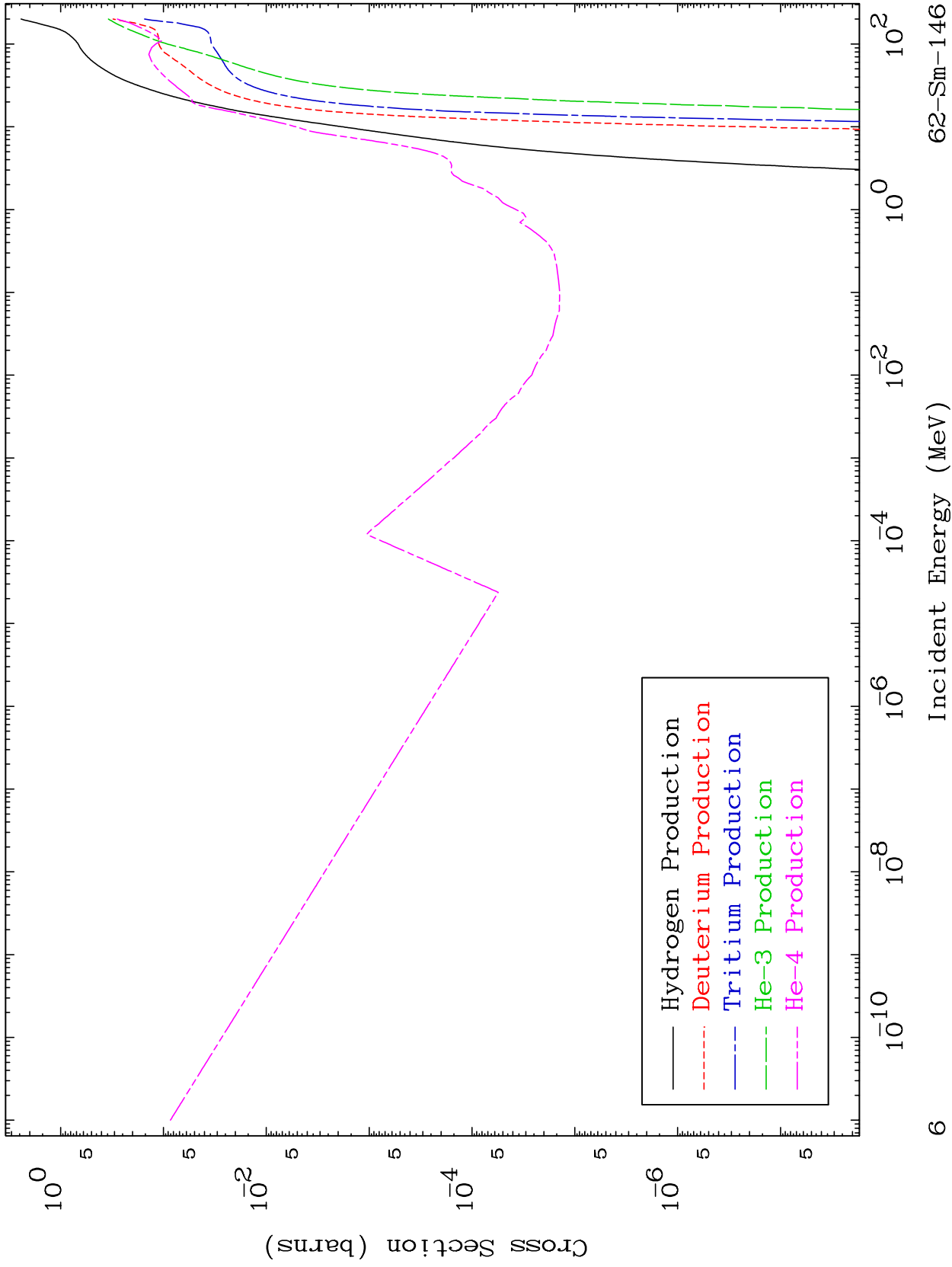
62-Sm-146



MAT 6231

Particle Production
293 Kelvin Cross Sections

62-Sm-146

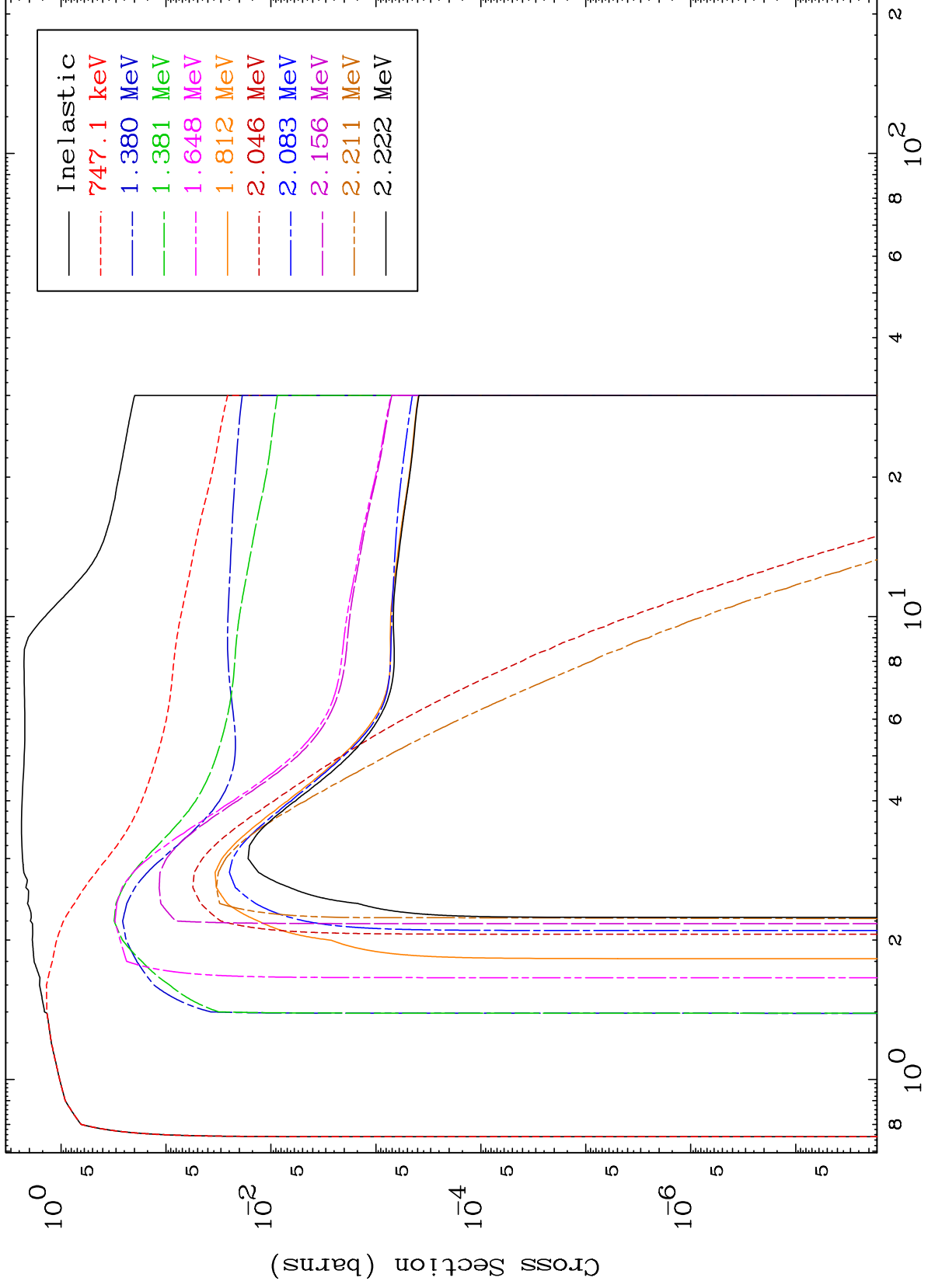


MAT 6231

(n,n') Level

62-Sm-146

293 Kelvin Cross Sections



7

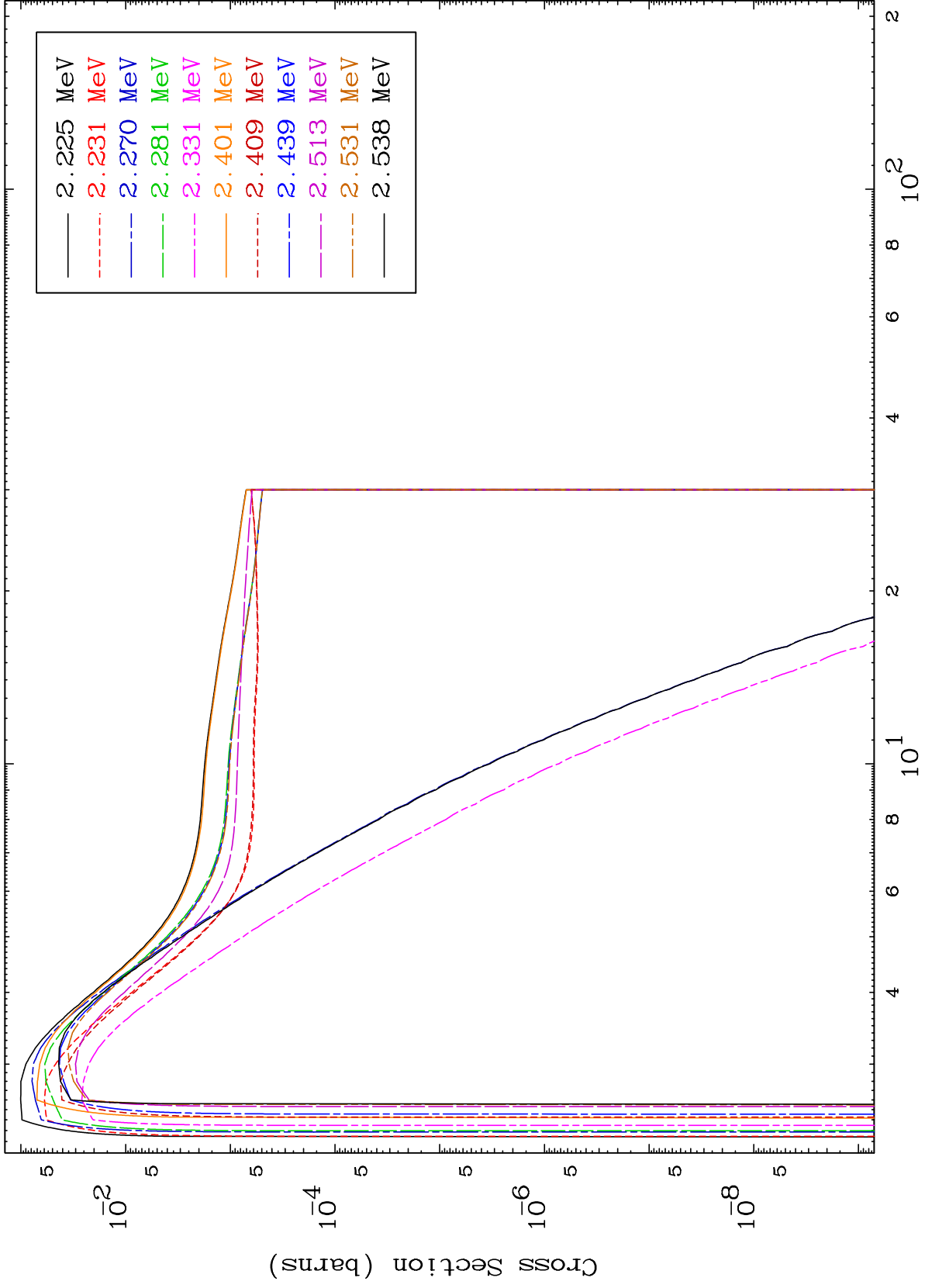
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,n') Level
293 Kelvin Cross Sections

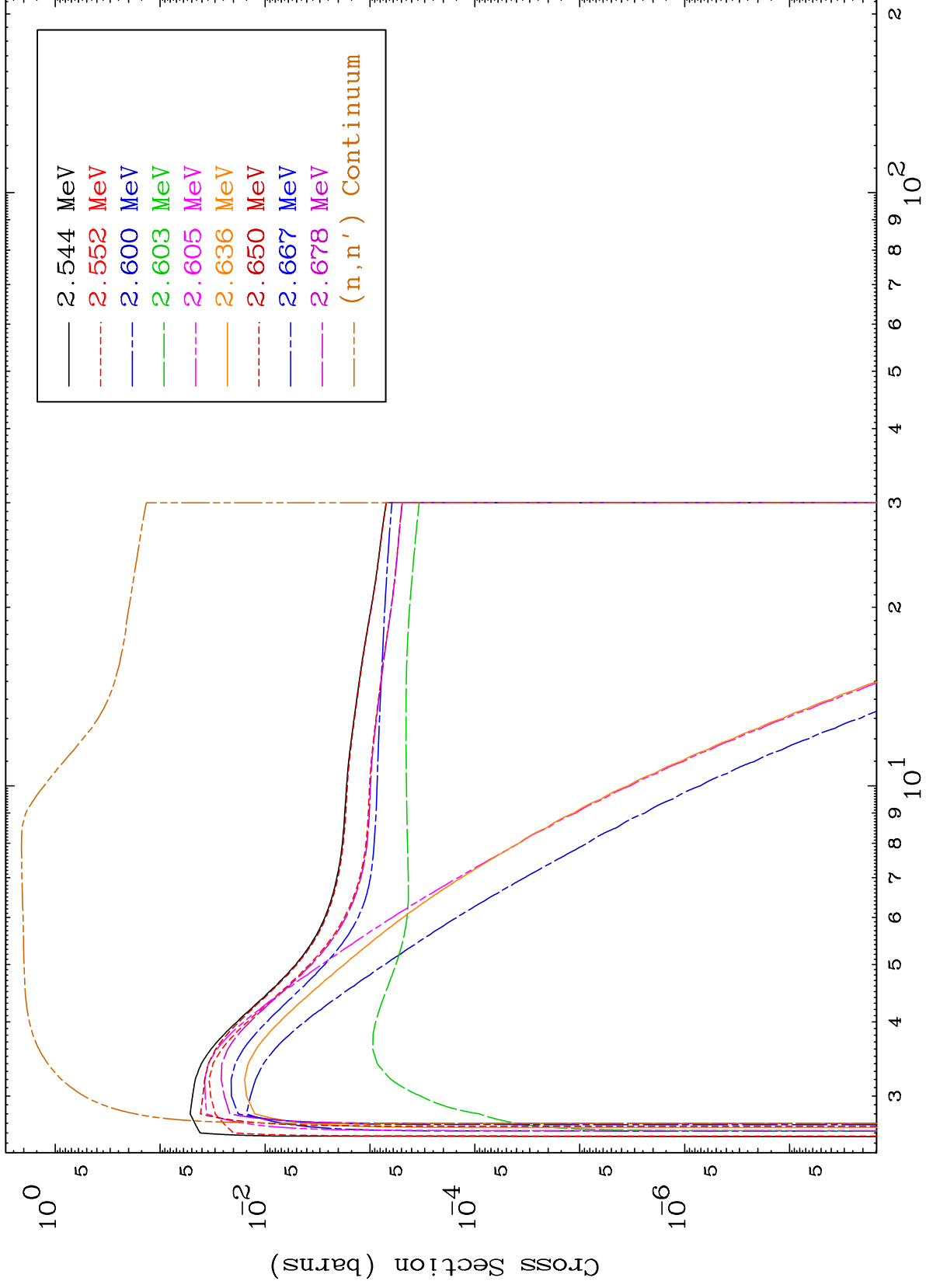
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Incident Energy (MeV)

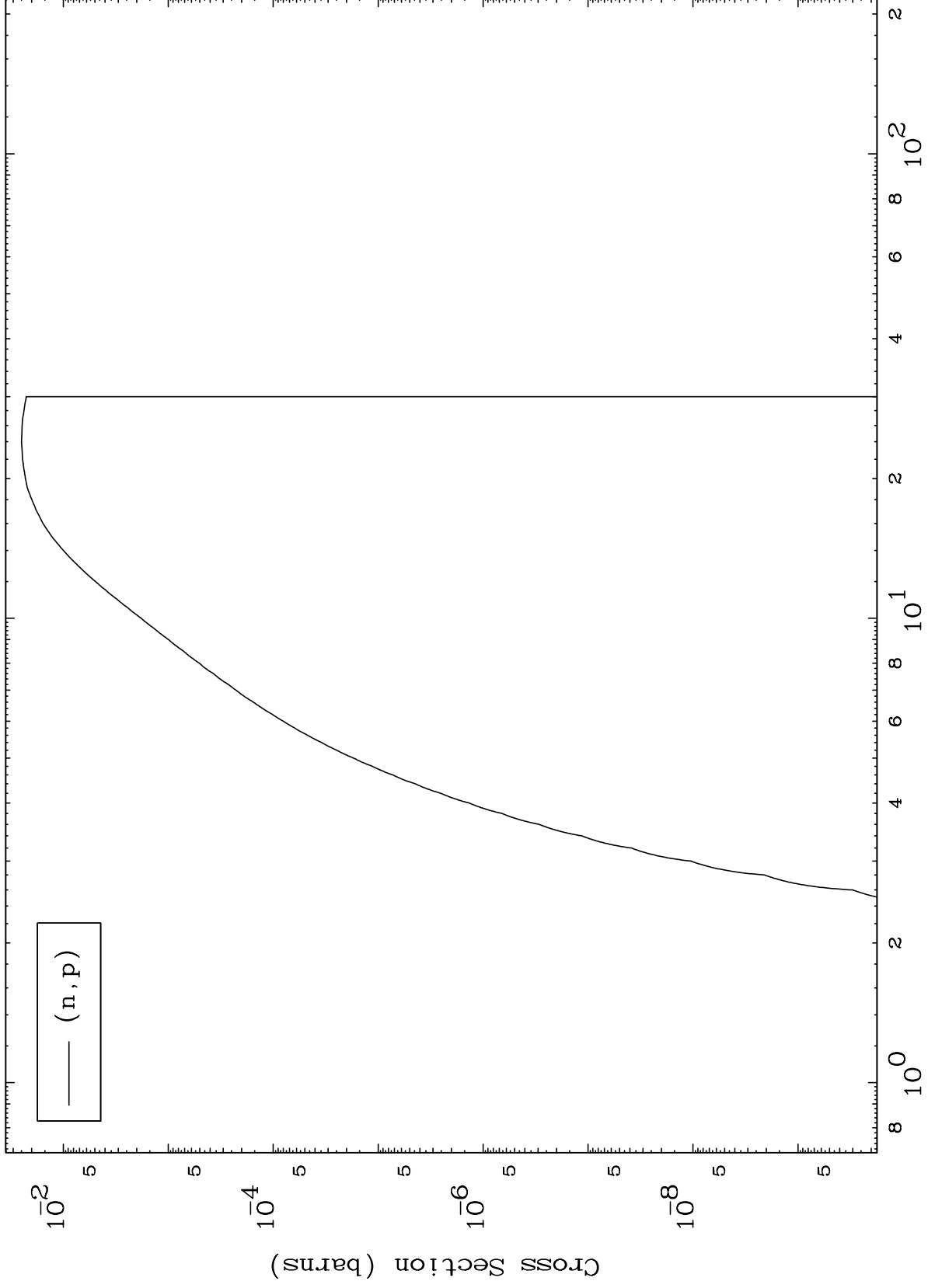
62-Sm-146



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(n,p) Levels
293 Kelvin Cross Sections

62-Sm-146



62-Sm-146

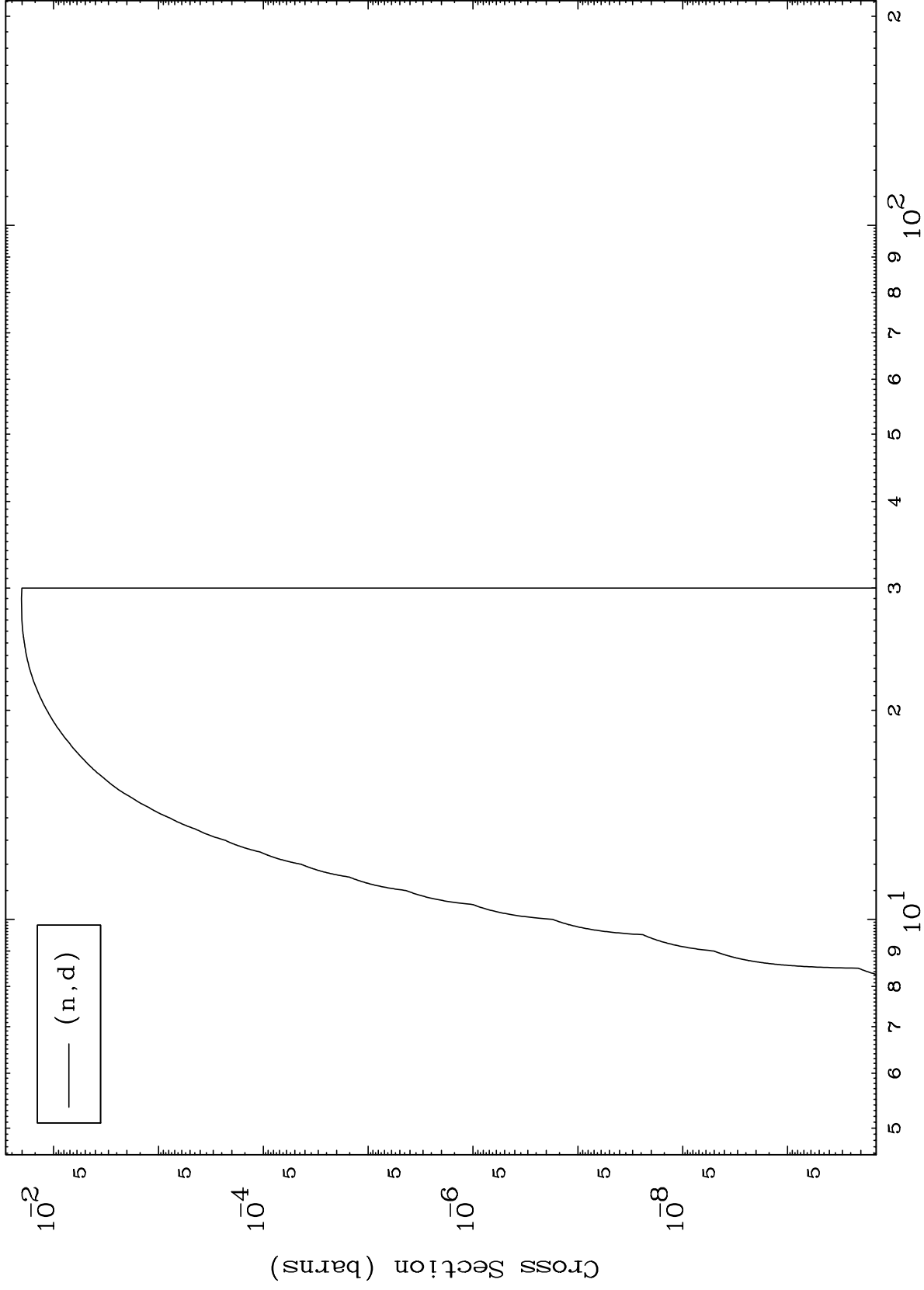
Incident Energy (MeV)

10

MAT 6231

(n,d) Levels
293 Kelvin Cross Sections

62-Sm-146



11

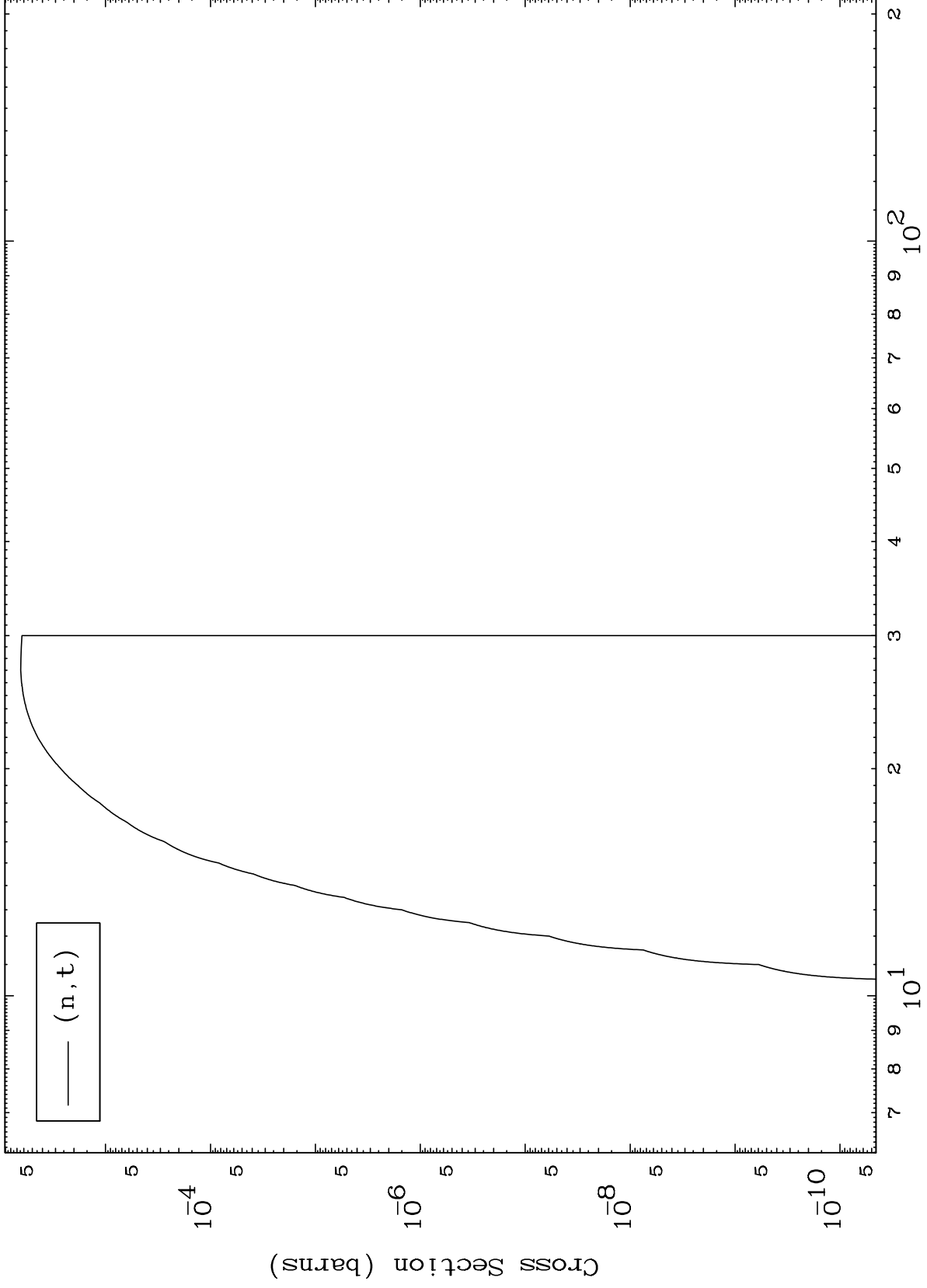
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,t) Levels
293 Kelvin Cross Sections

62-Sm-146



12

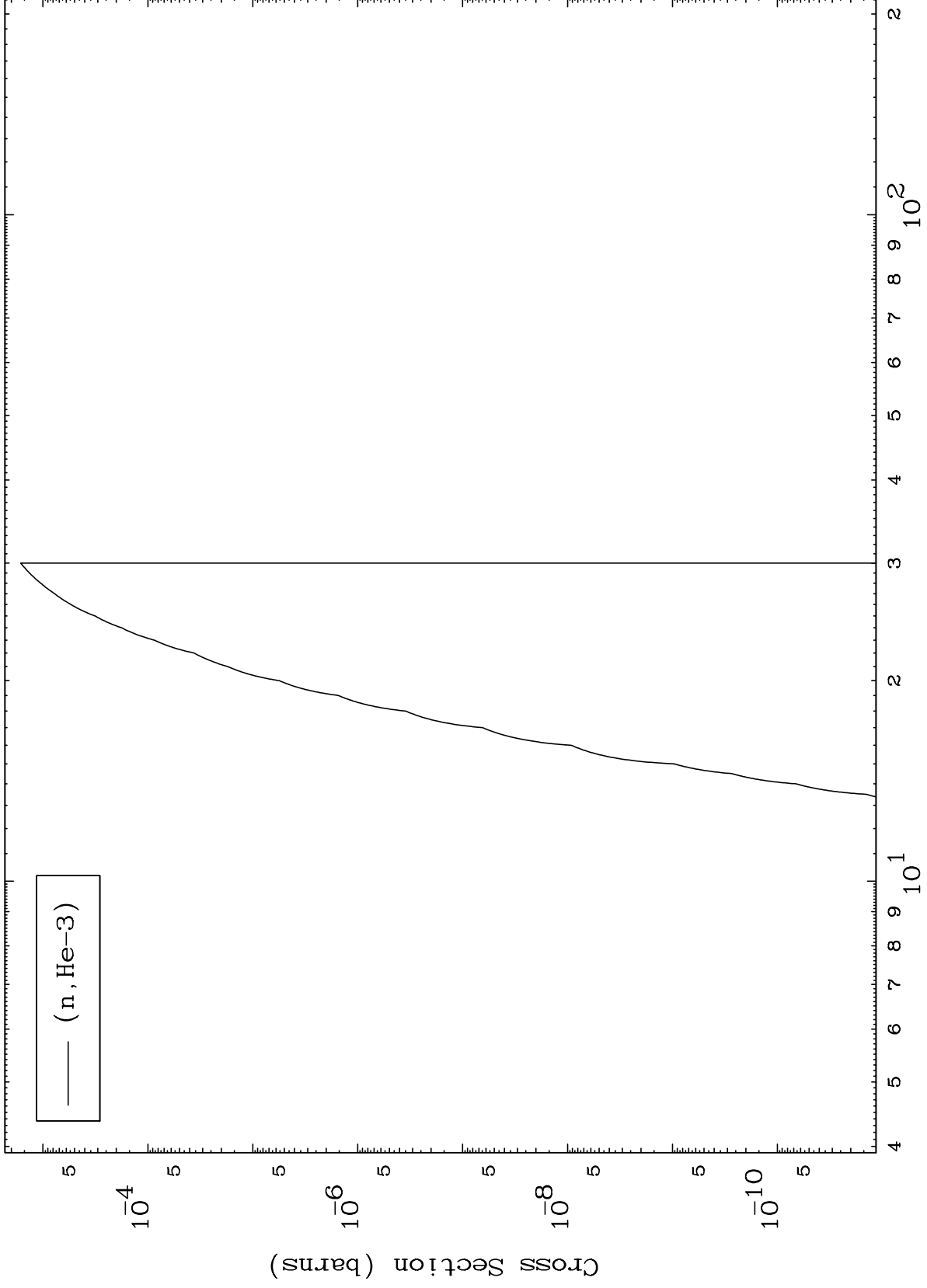
Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,He3) Levels
293 Kelvin Cross Sections

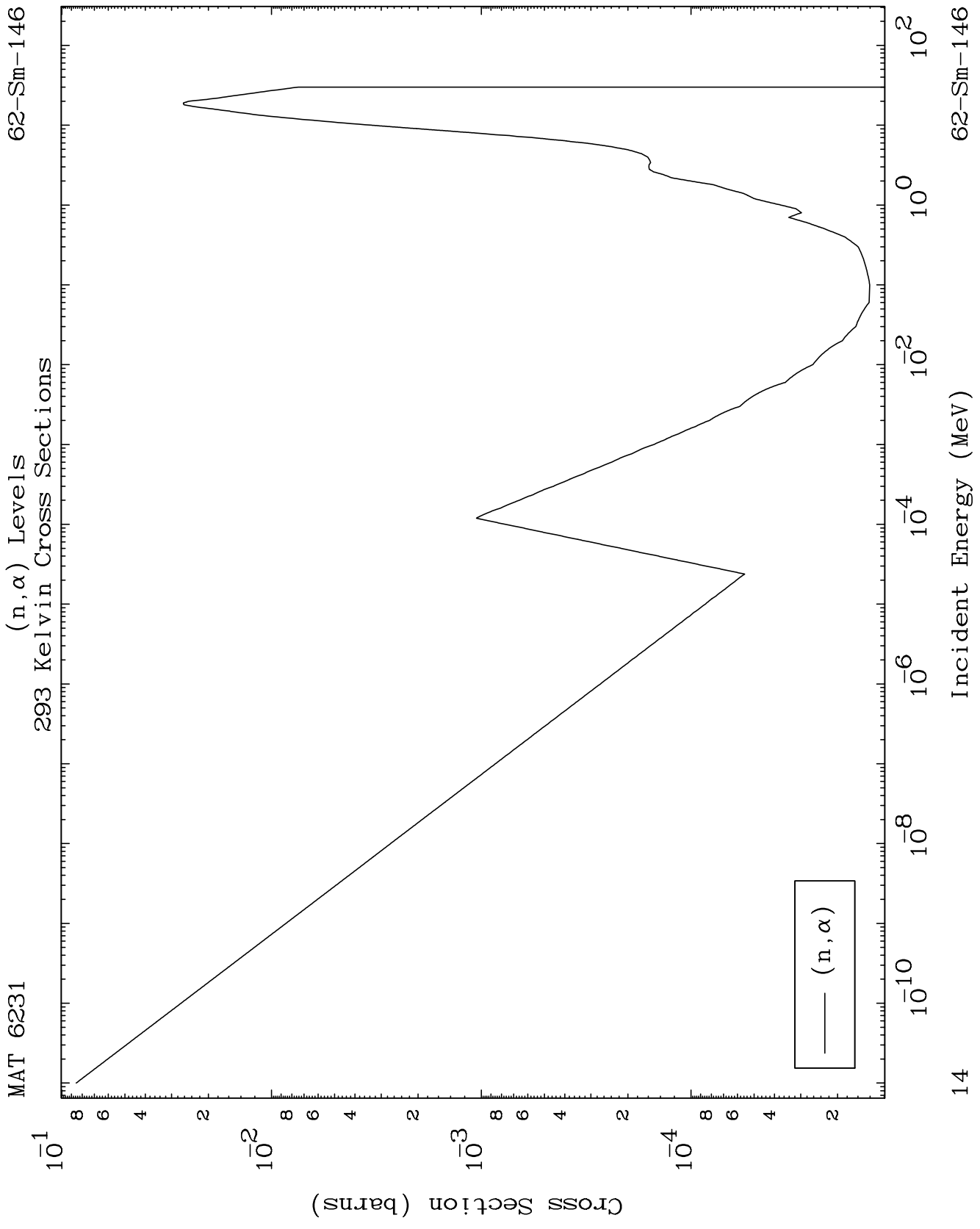
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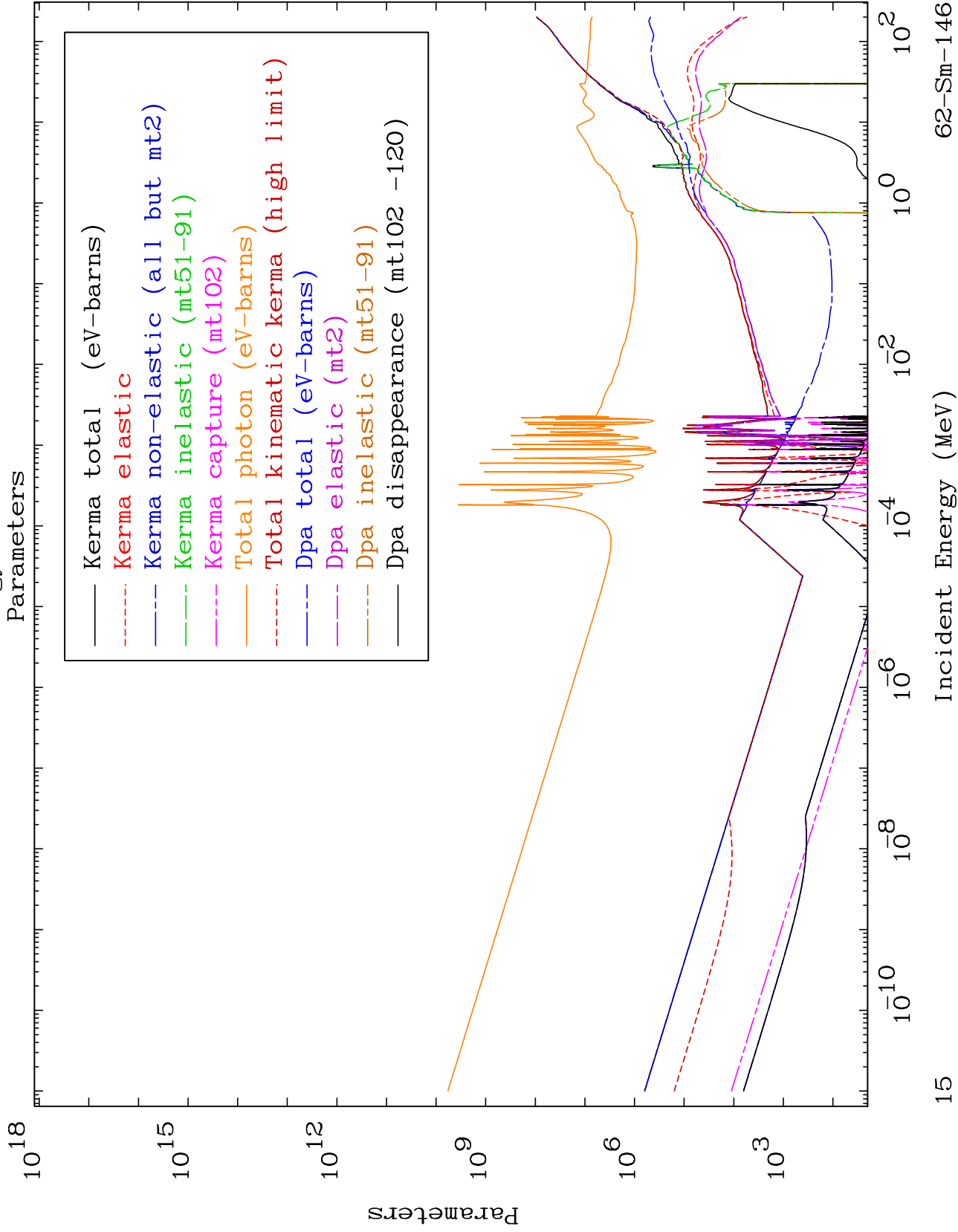


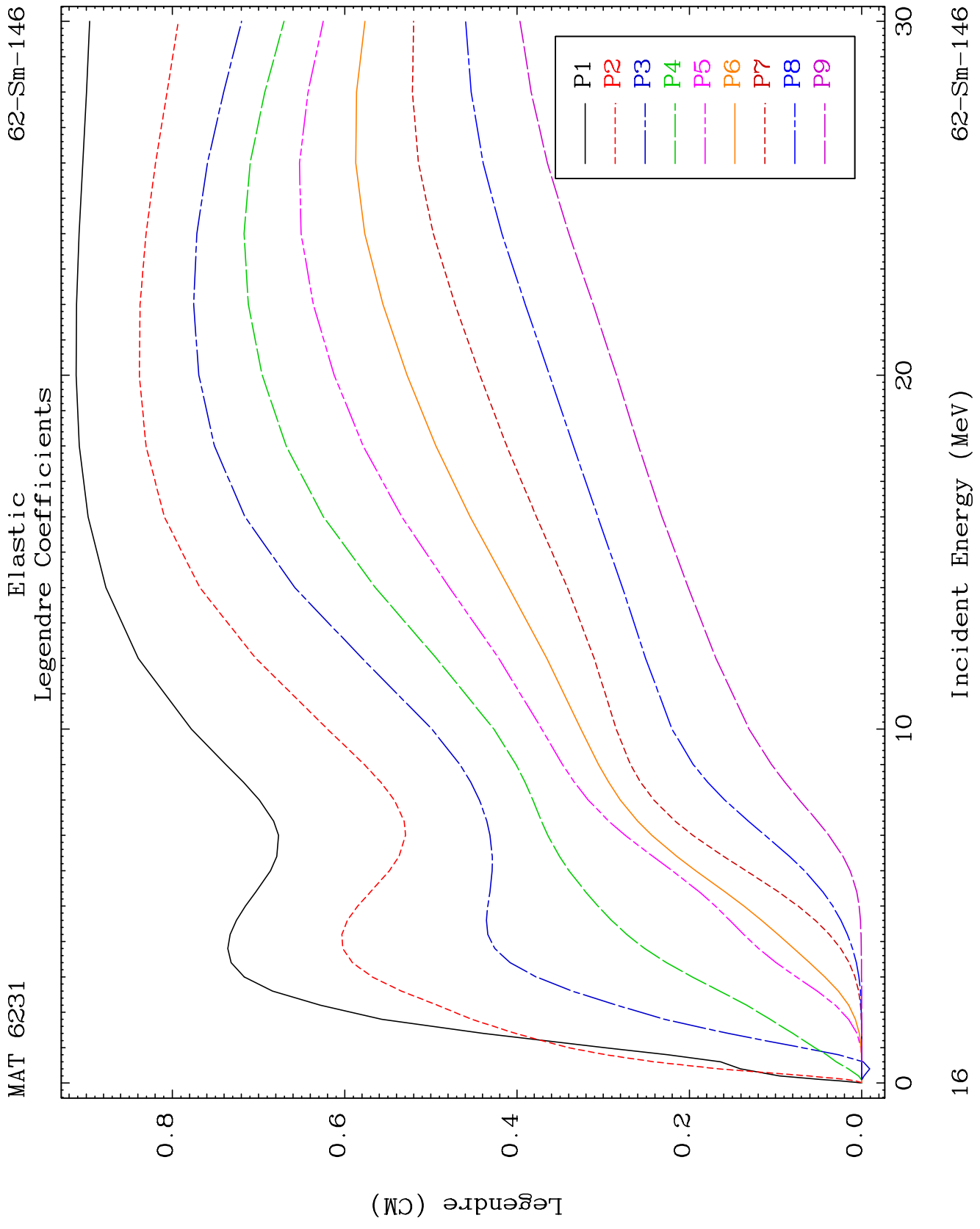
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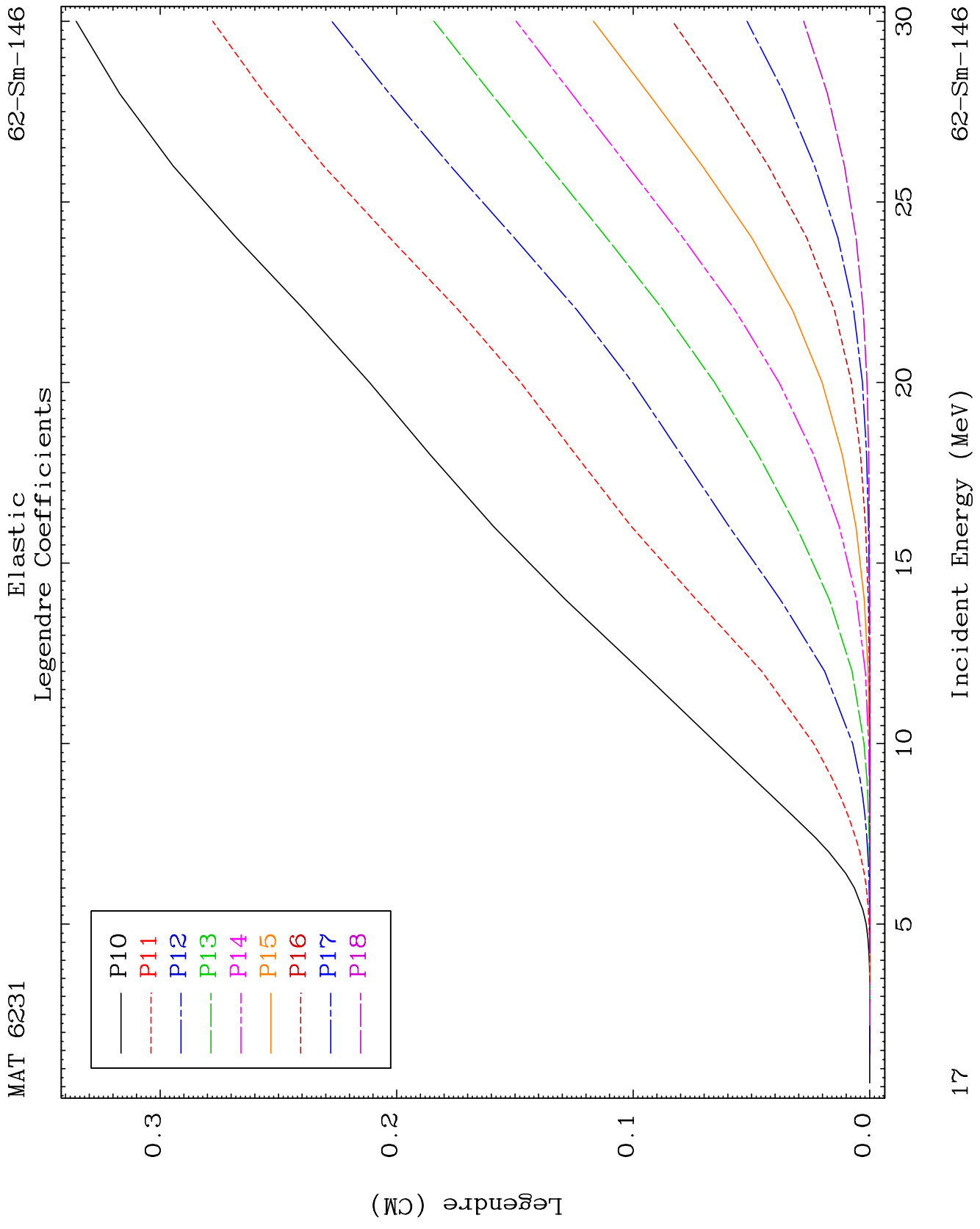
Incident Energy (MeV)

62-Sm-146





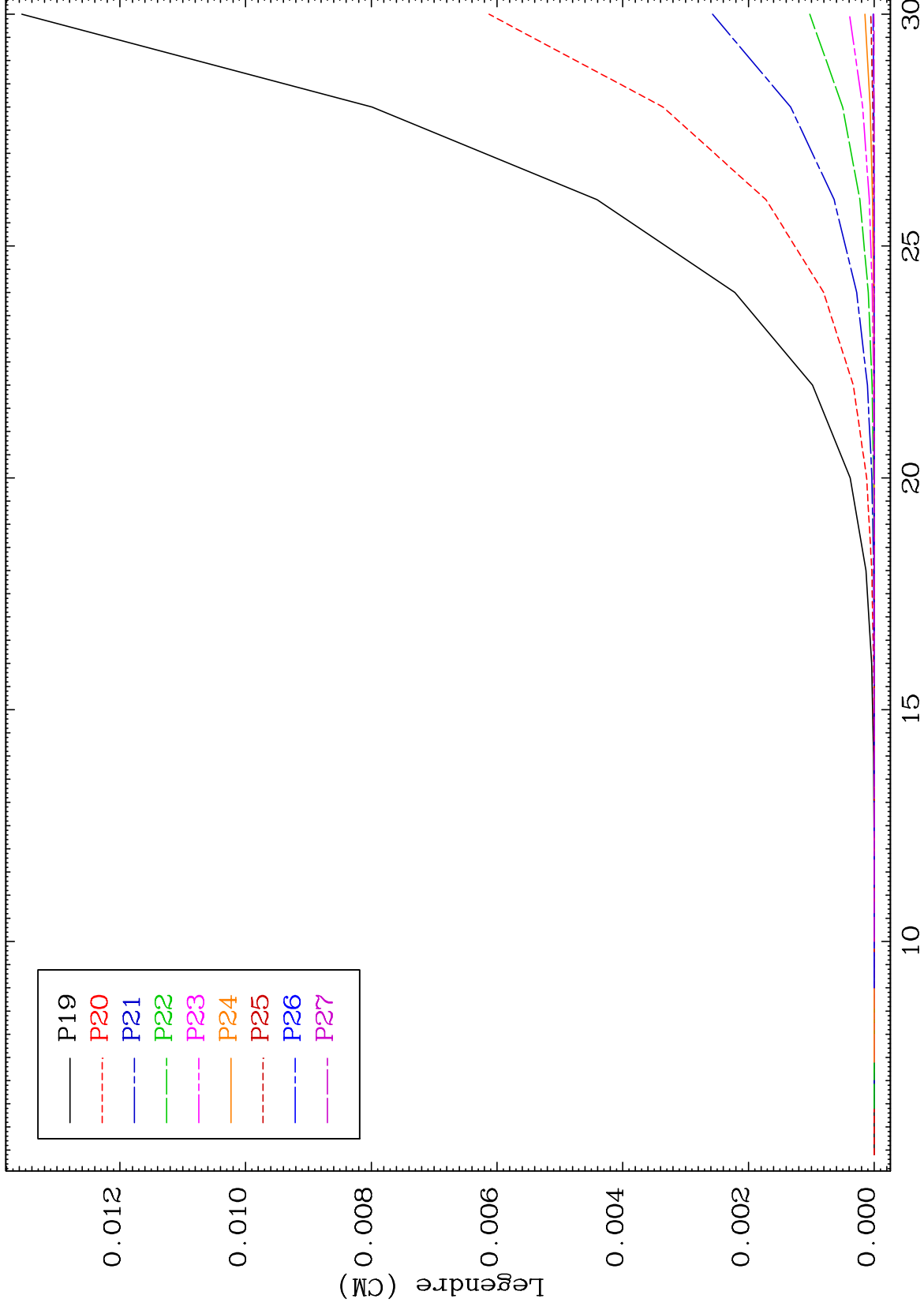




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Elastic Legendre Coefficients

62-Sm-146



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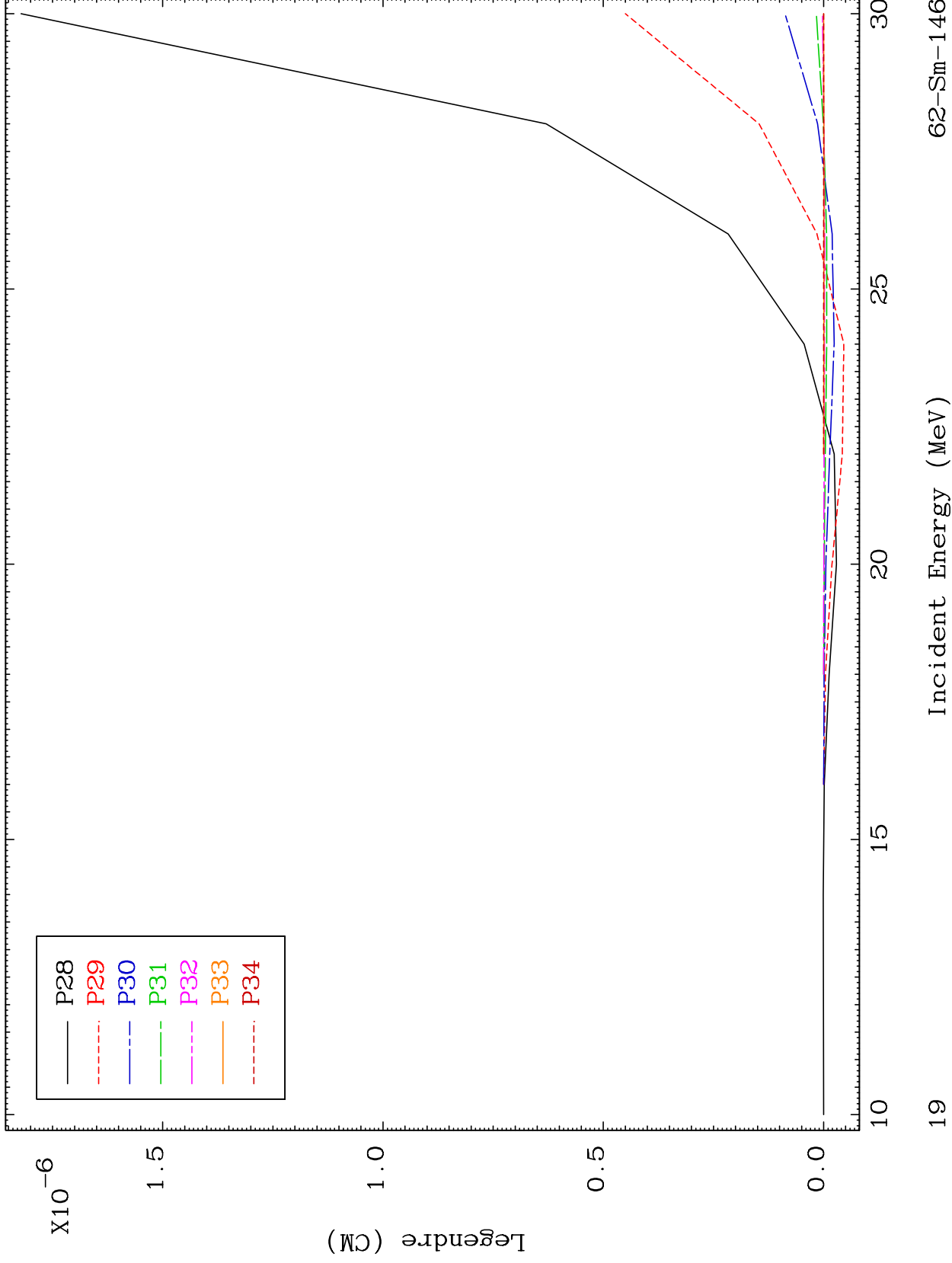
Incident Energy (MeV)

62-Sm-146

MAT 6231

Elastic
Legendre Coefficients

62-Sm-146



19

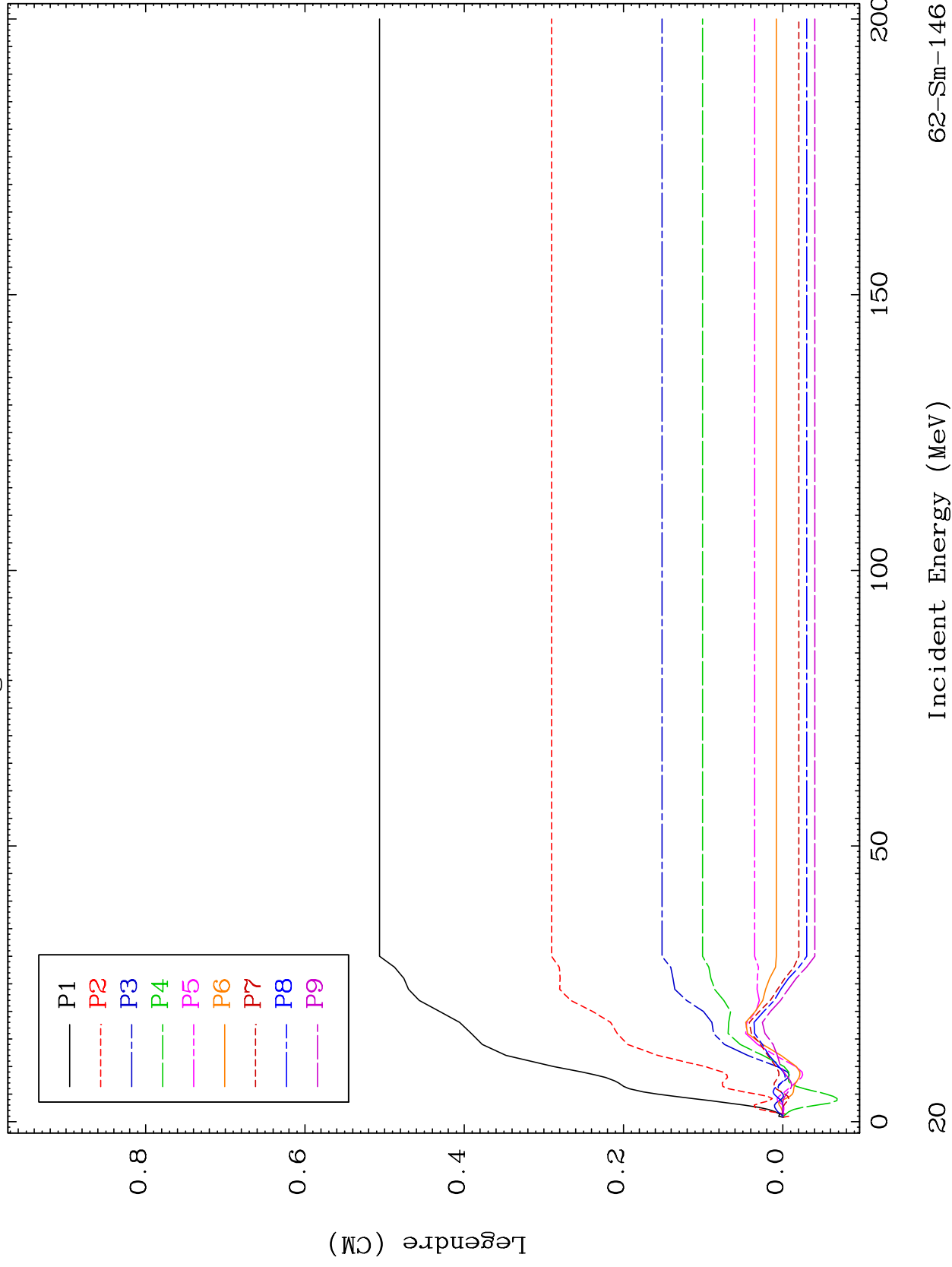
Incident Energy (MeV)

62-Sm-146

MAT 6231

747.1 keV (n,n') Level
Legendre Coefficients

62-Sm-146



62-Sm-146

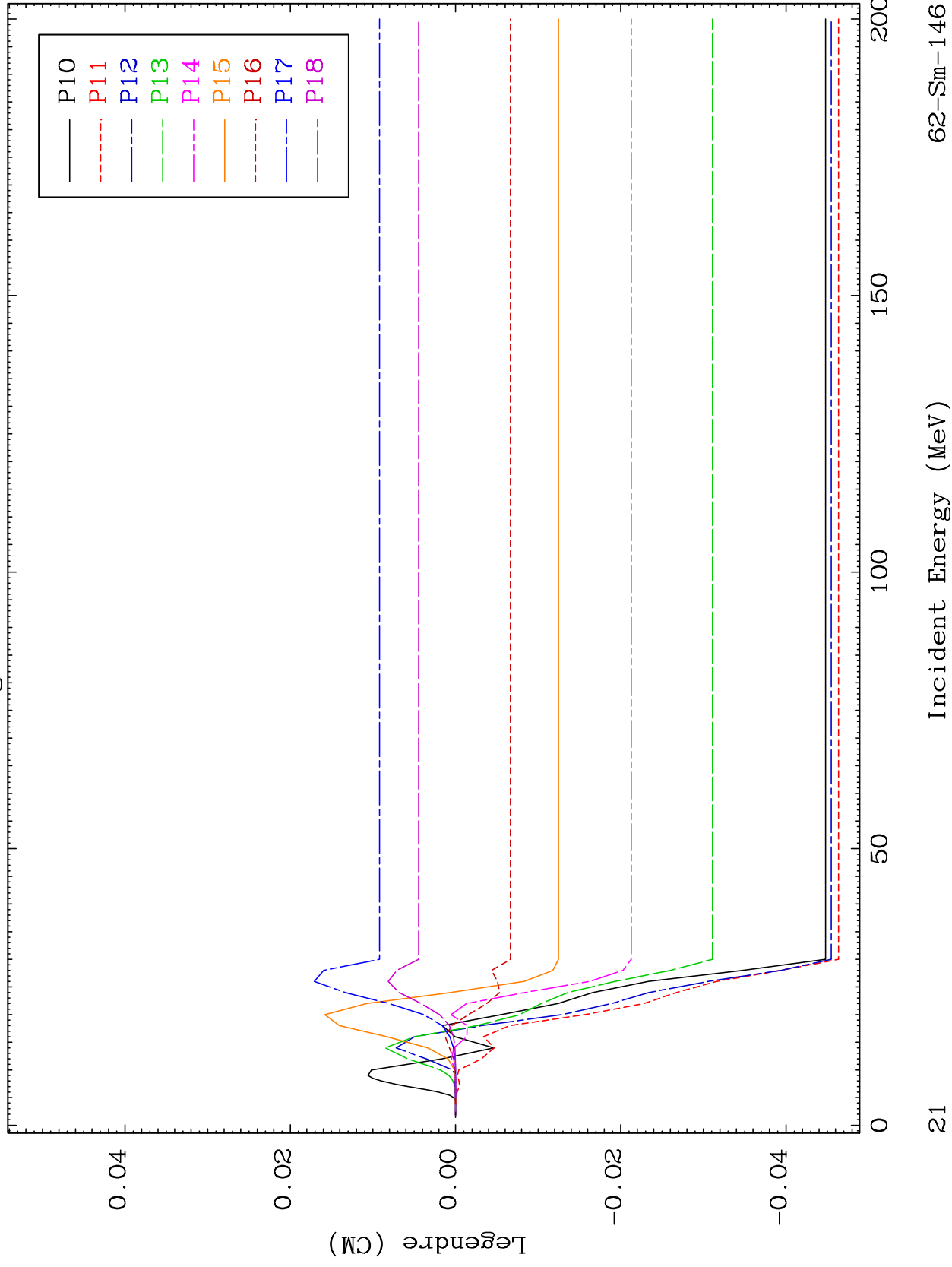
Incident Energy (MeV)

0

MAT 6231

747.1 keV (n,n') Level
Legendre Coefficients

62-Sm-146



21

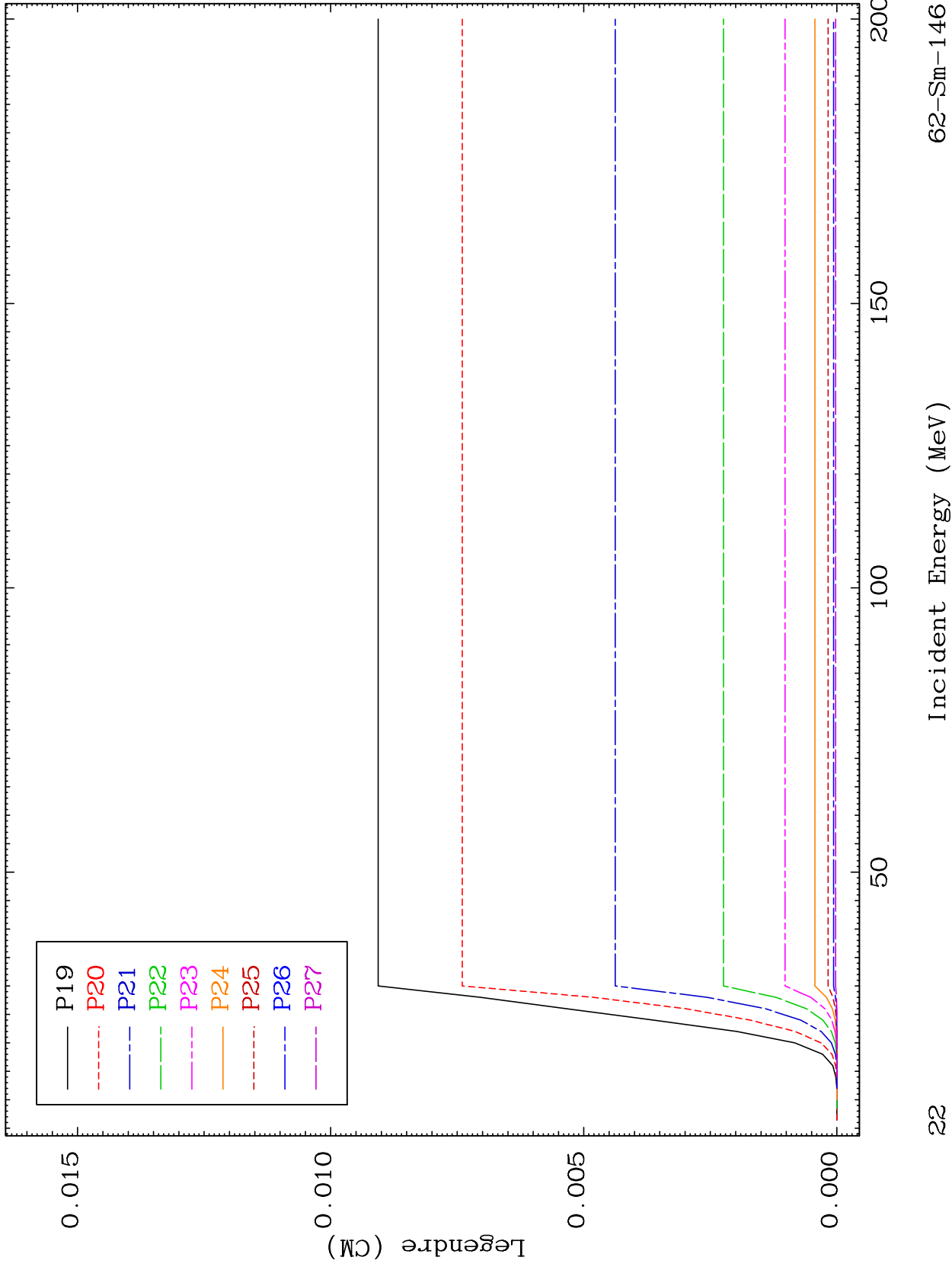
Incident Energy (MeV)

62-Sm-146

MAT 6231

747.1 keV (n,n') Level
Legendre Coefficients

62-Sm-146



22

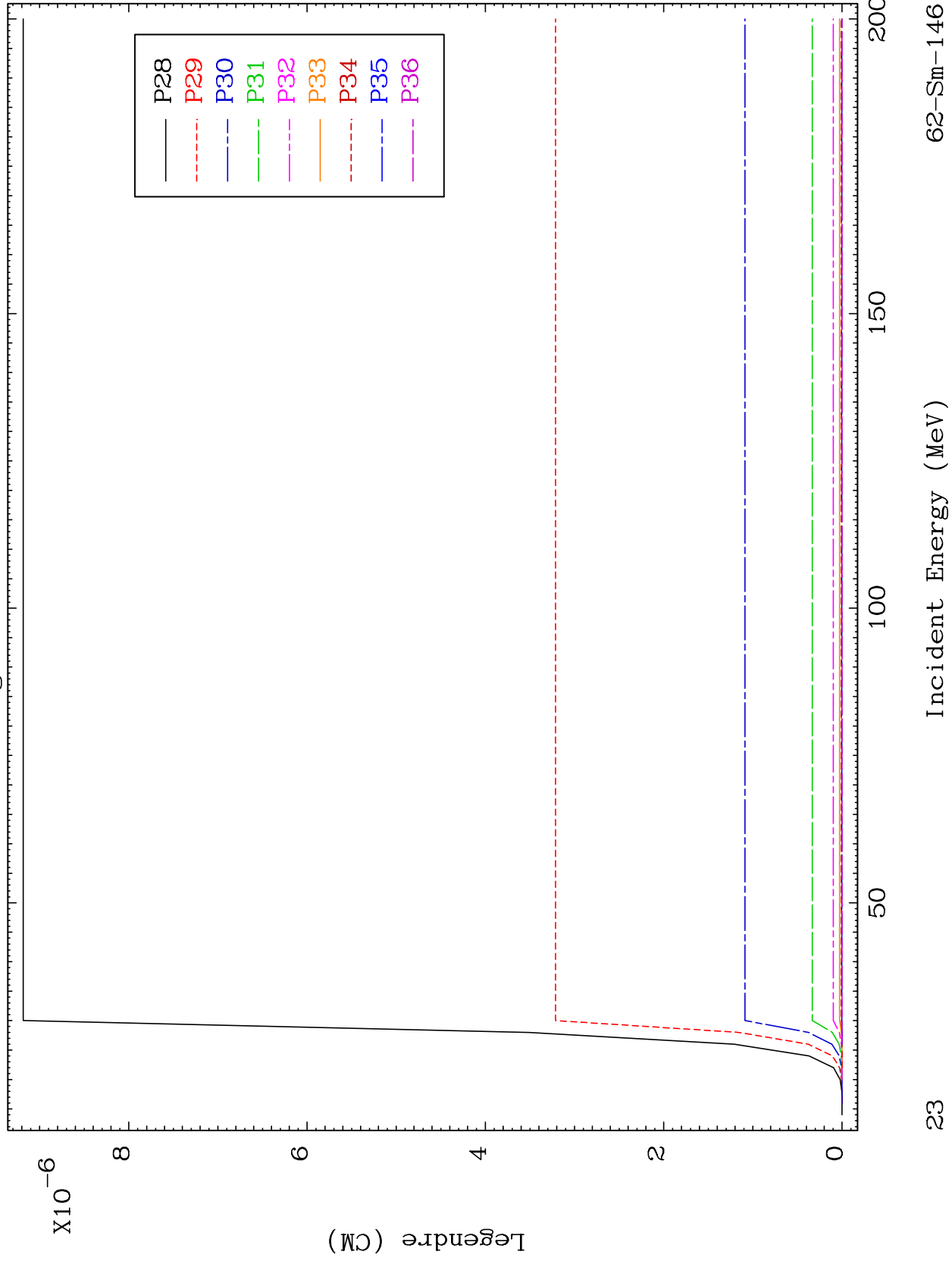
Incident Energy (MeV)

62-Sm-146

MAT 6231

747.1 keV (n,n') Level
Legendre Coefficients

62-Sm-146



23

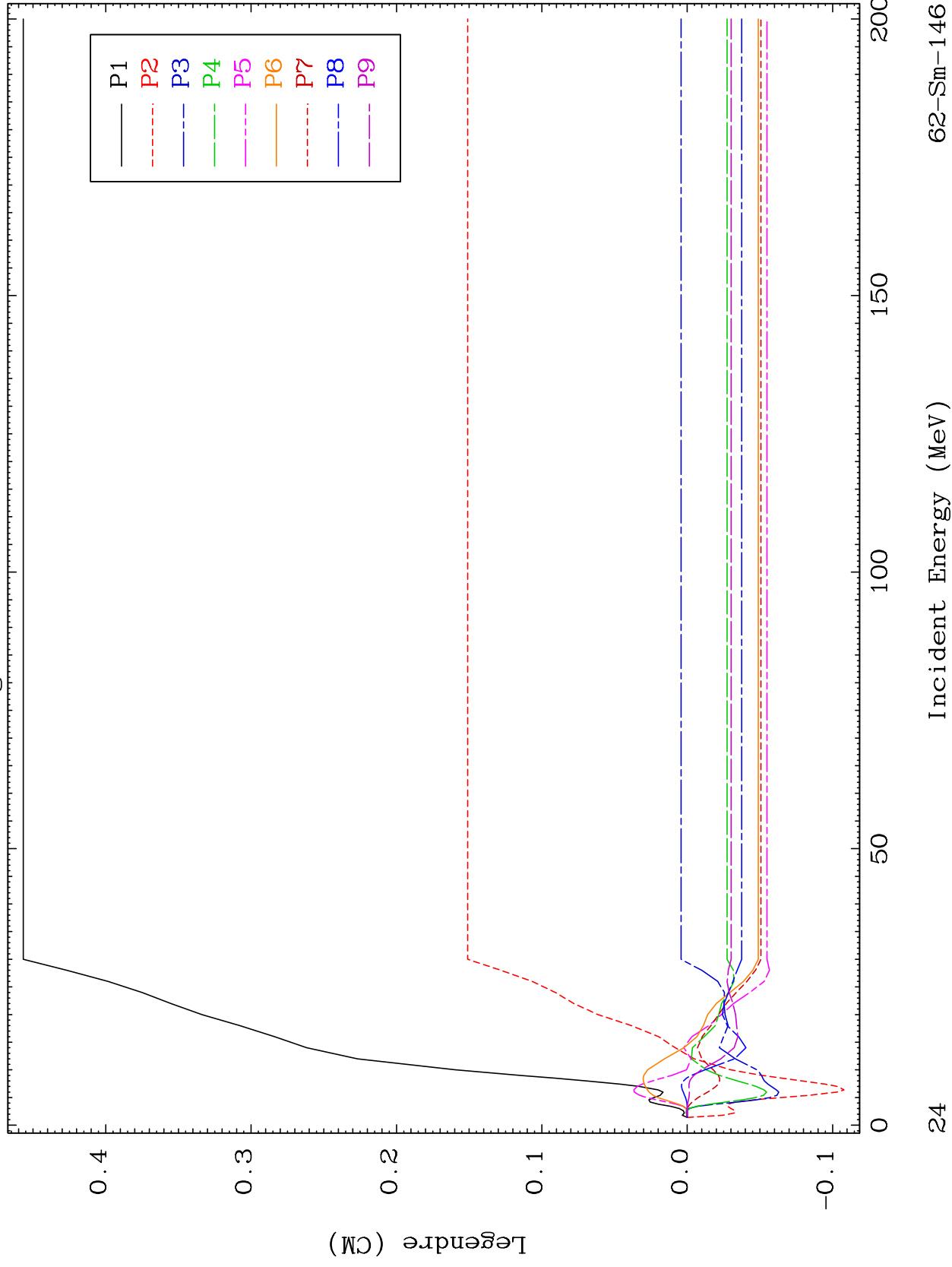
Incident Energy (MeV)

62-Sm-146

MAT 6231

1.380 MeV (n,n') Level
Legendre Coefficients

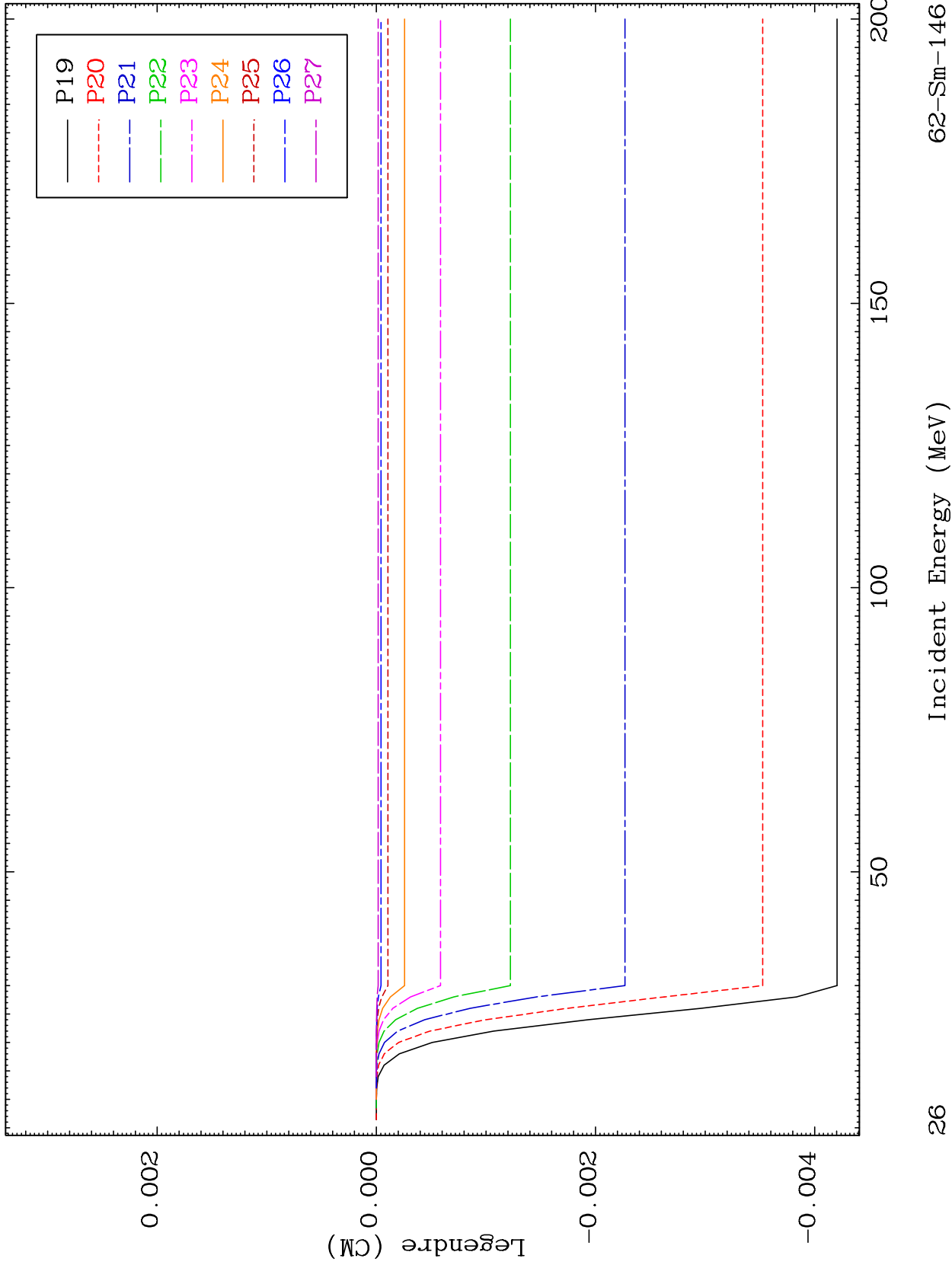
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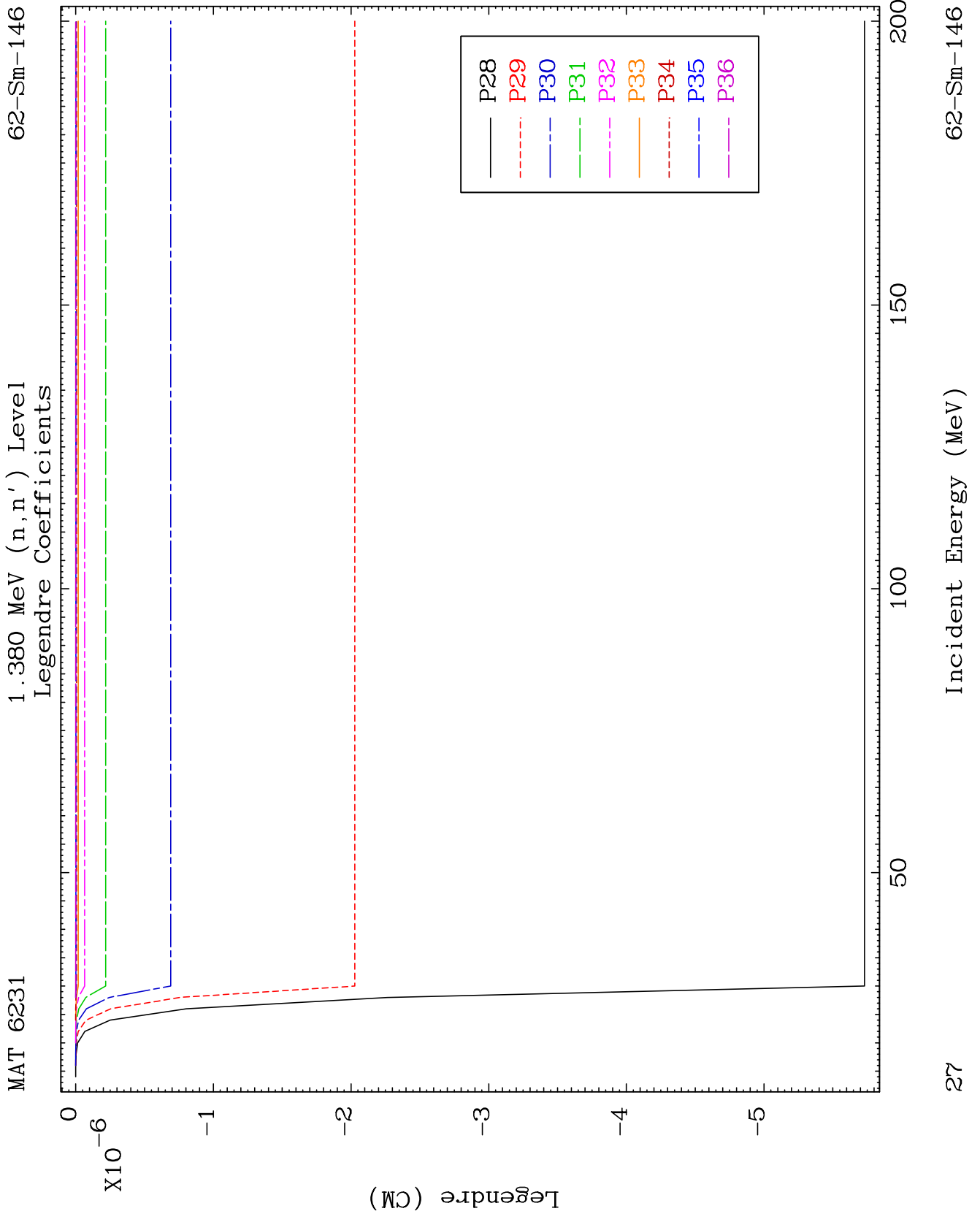


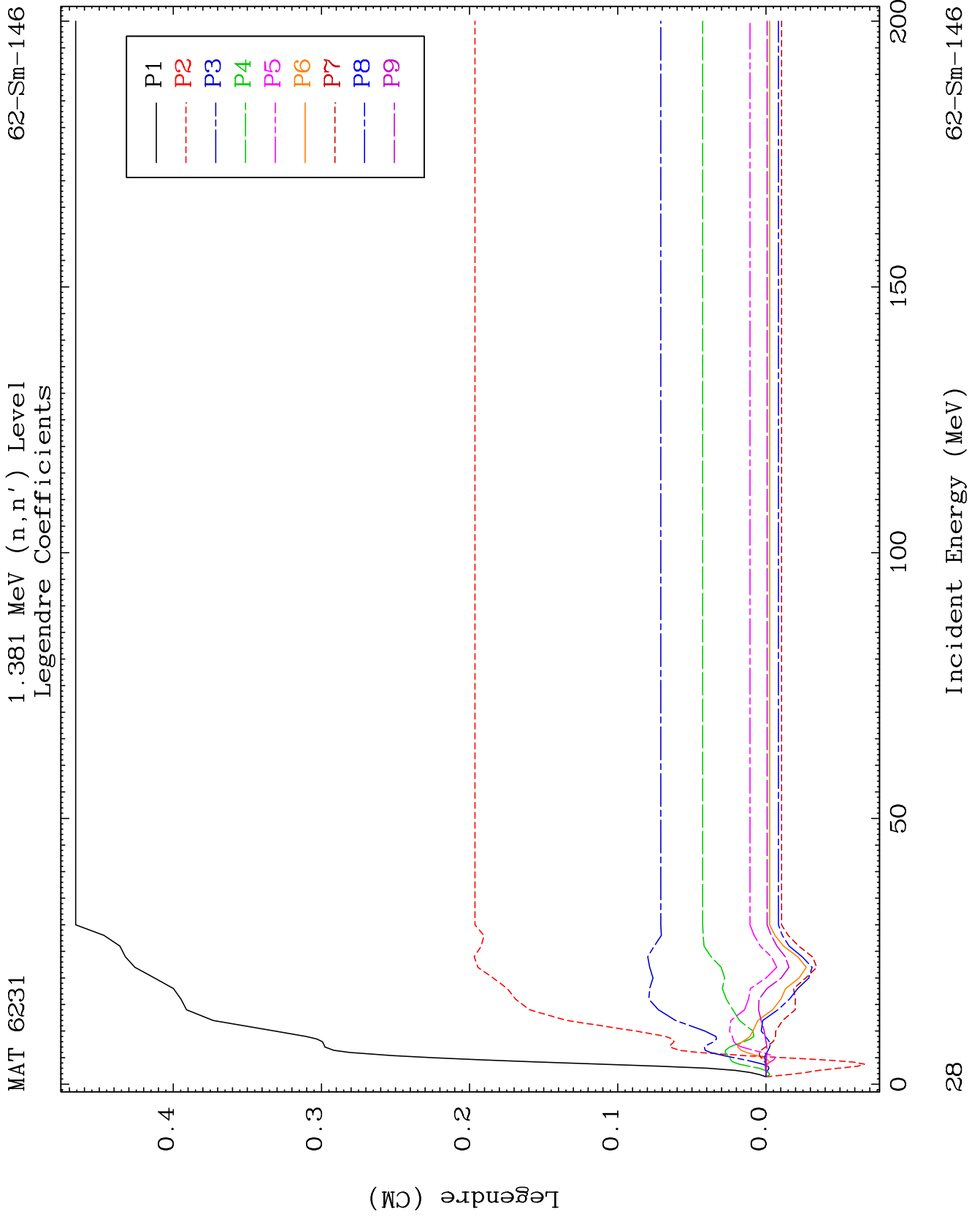
24

Incident Energy (MeV)

62-Sm-146



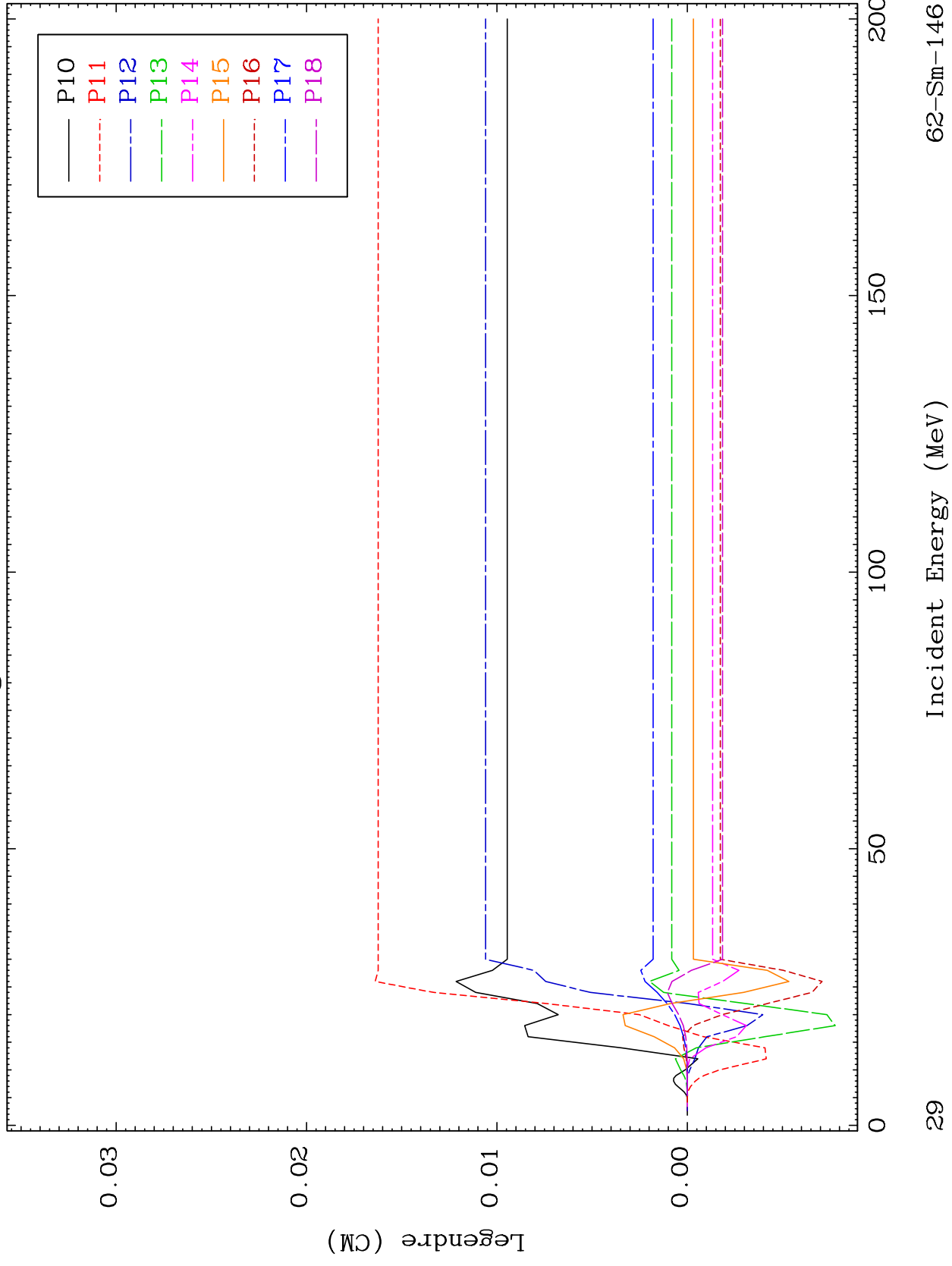




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1.381 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



29

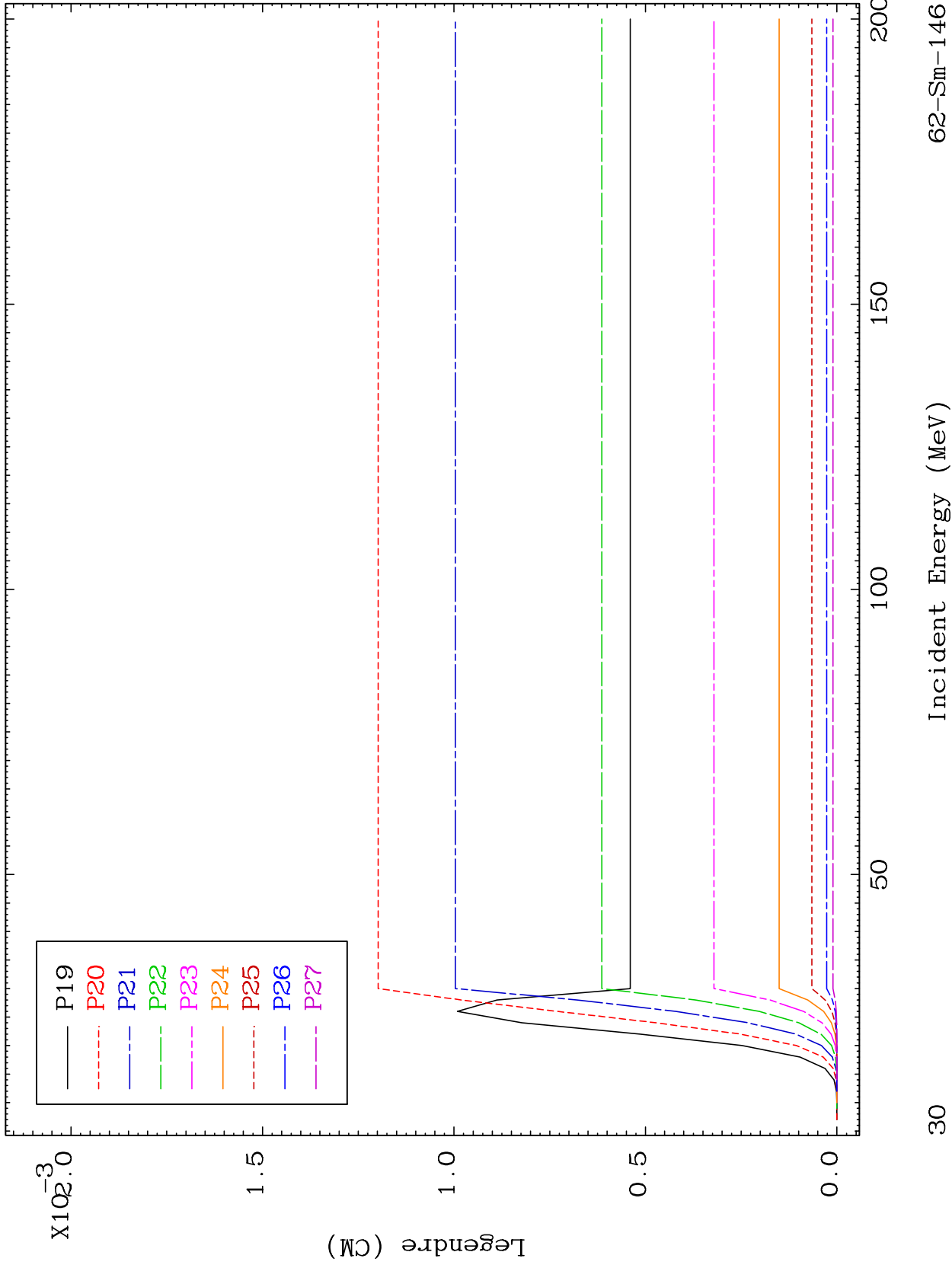
Incident Energy (MeV)

62-Sm-146

MAT 6231

1.381 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



30

50

100

150

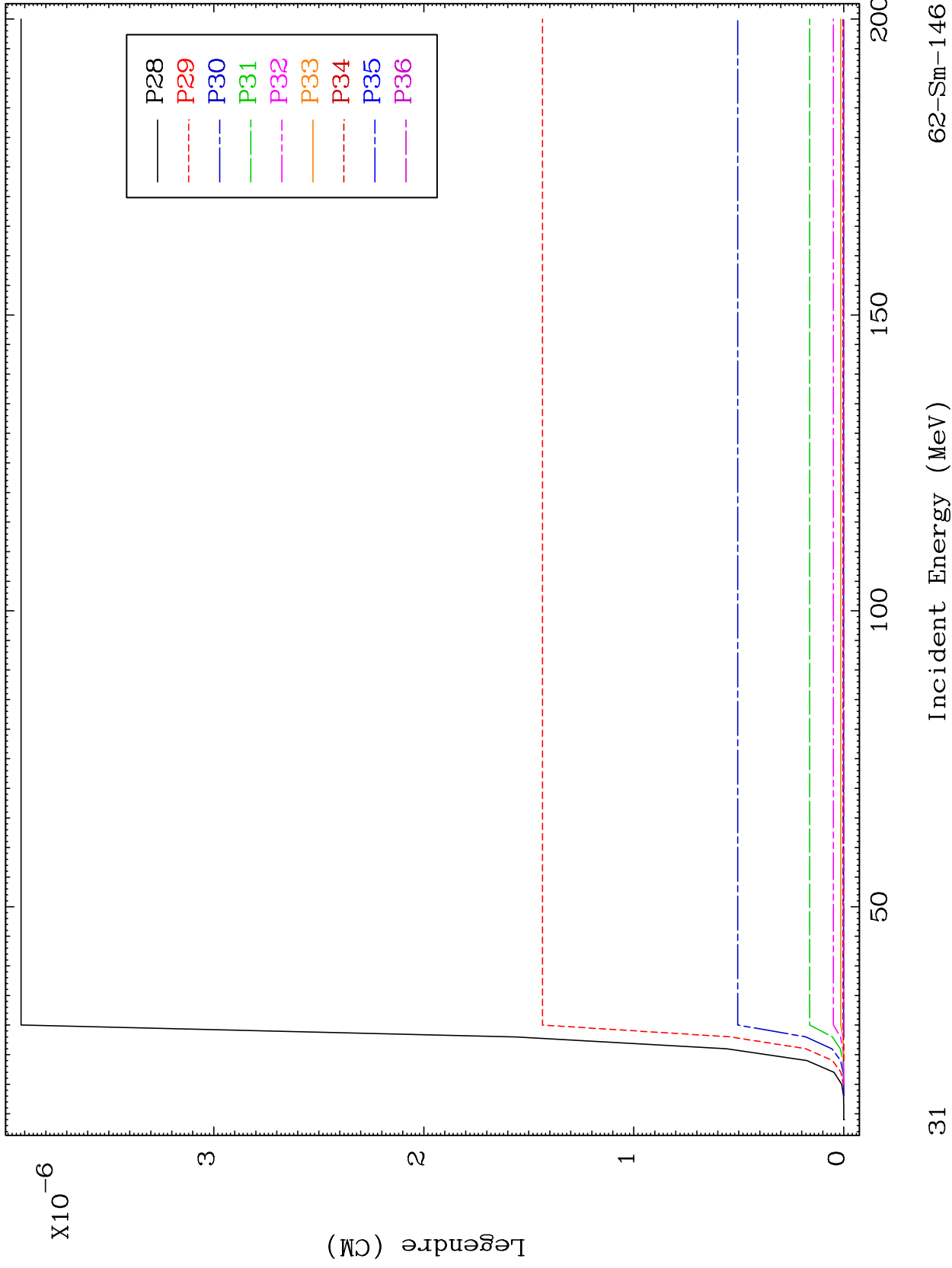
200

62-Sm-146

MAT 6231

1.381 MeV (n,n') Level
Legendre Coefficients

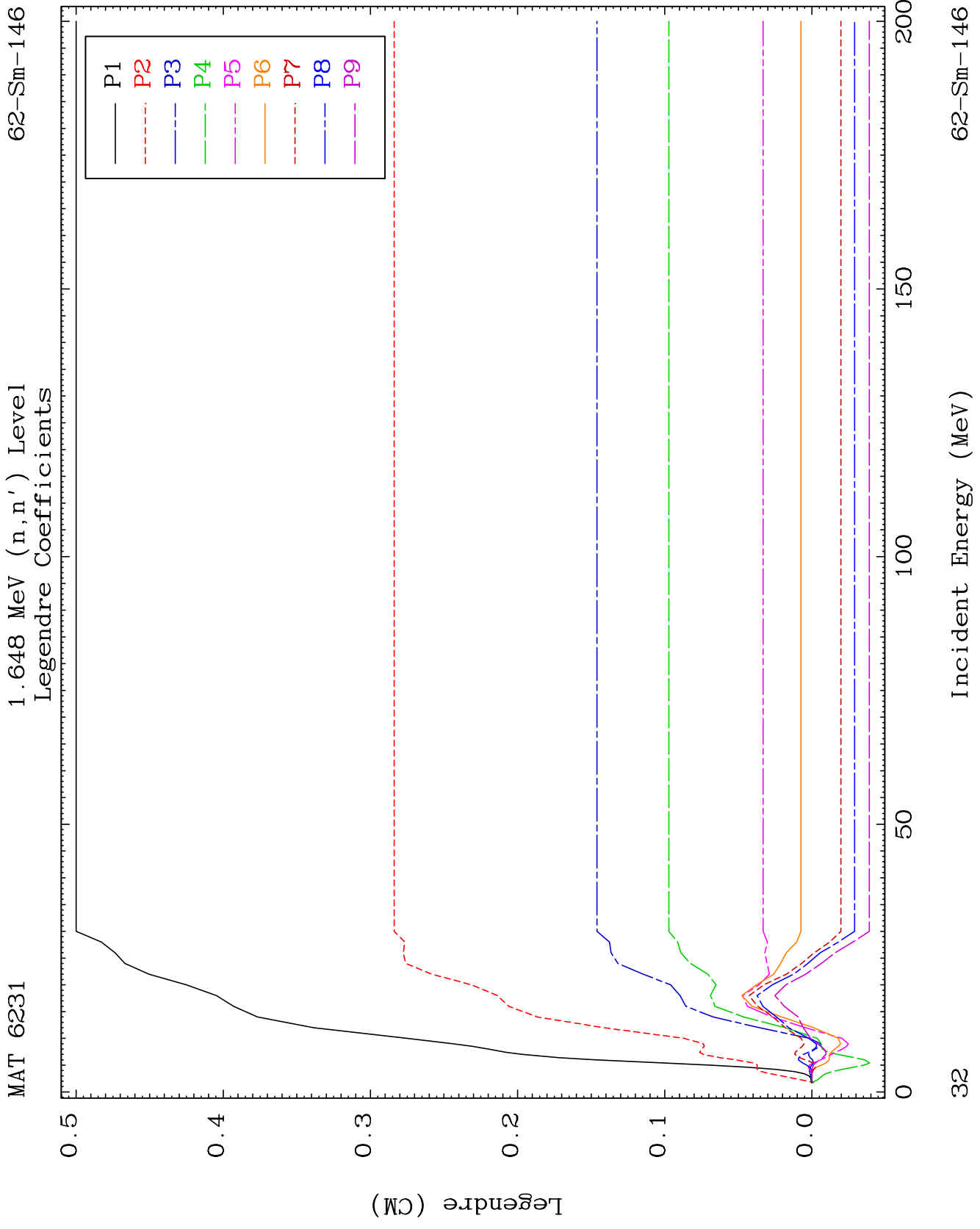
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31

Incident Energy (MeV)

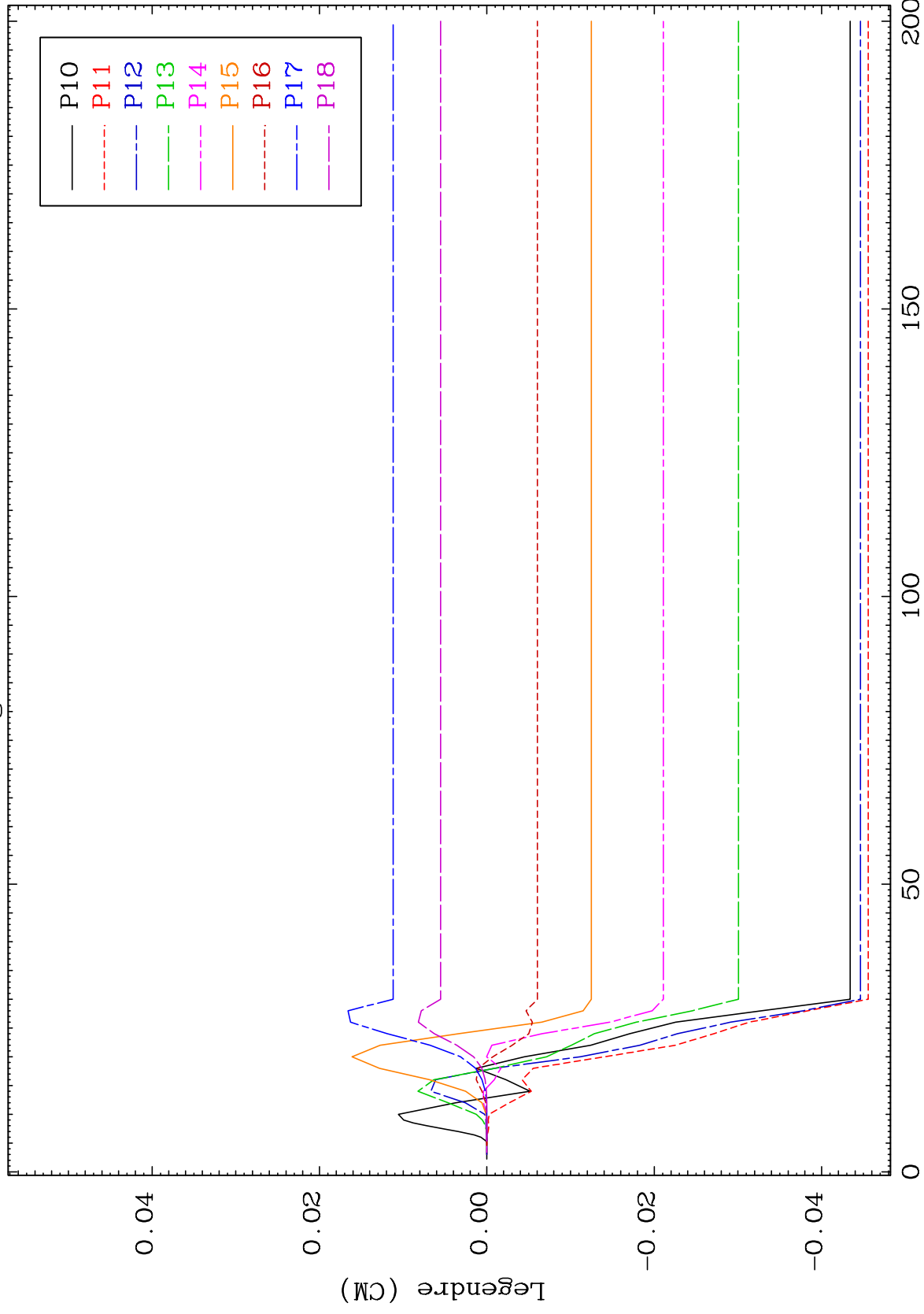
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MAT 6231

1.648 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



33

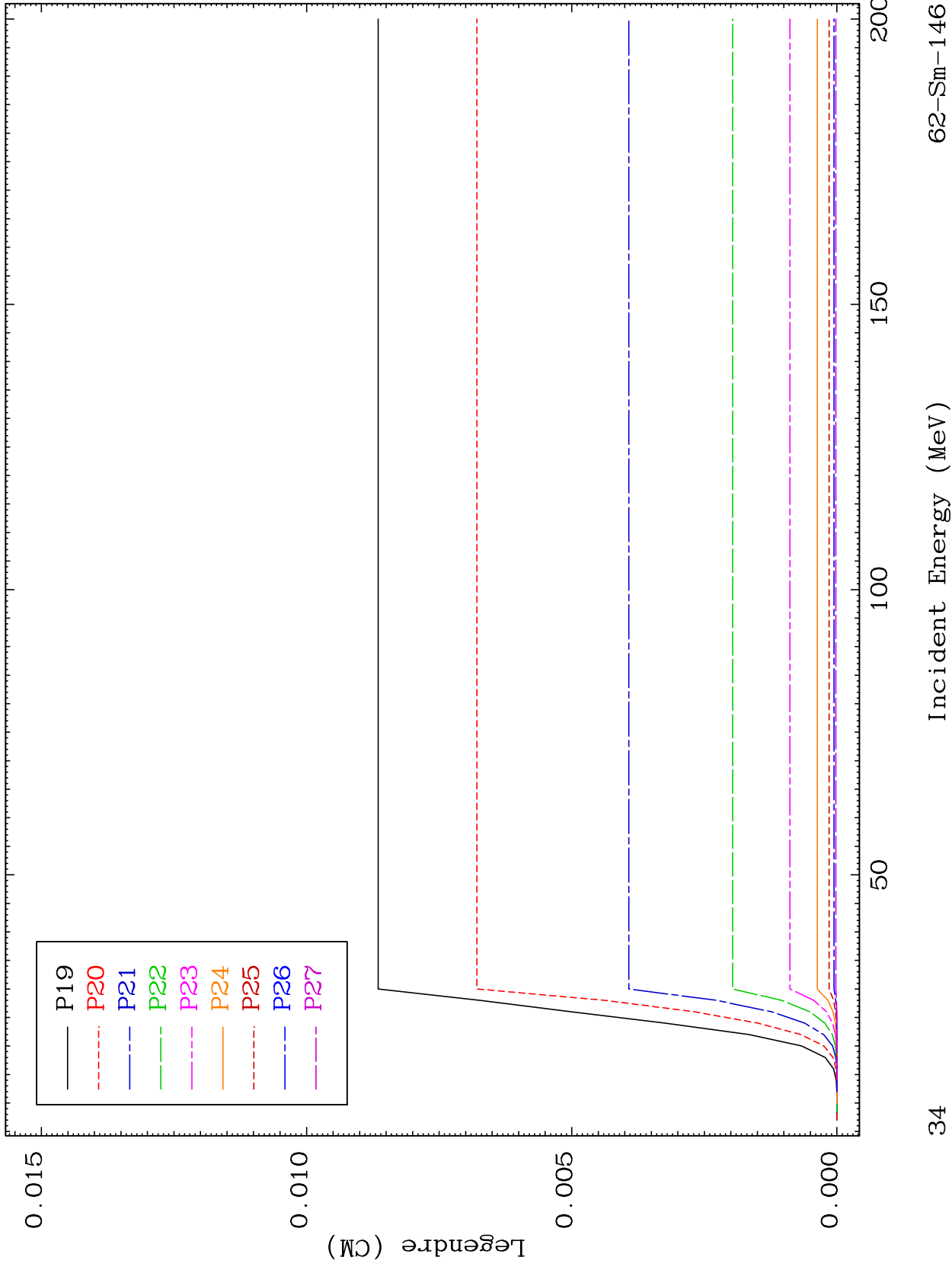
Incident Energy (MeV)

62-Sm-146

MAT 6231

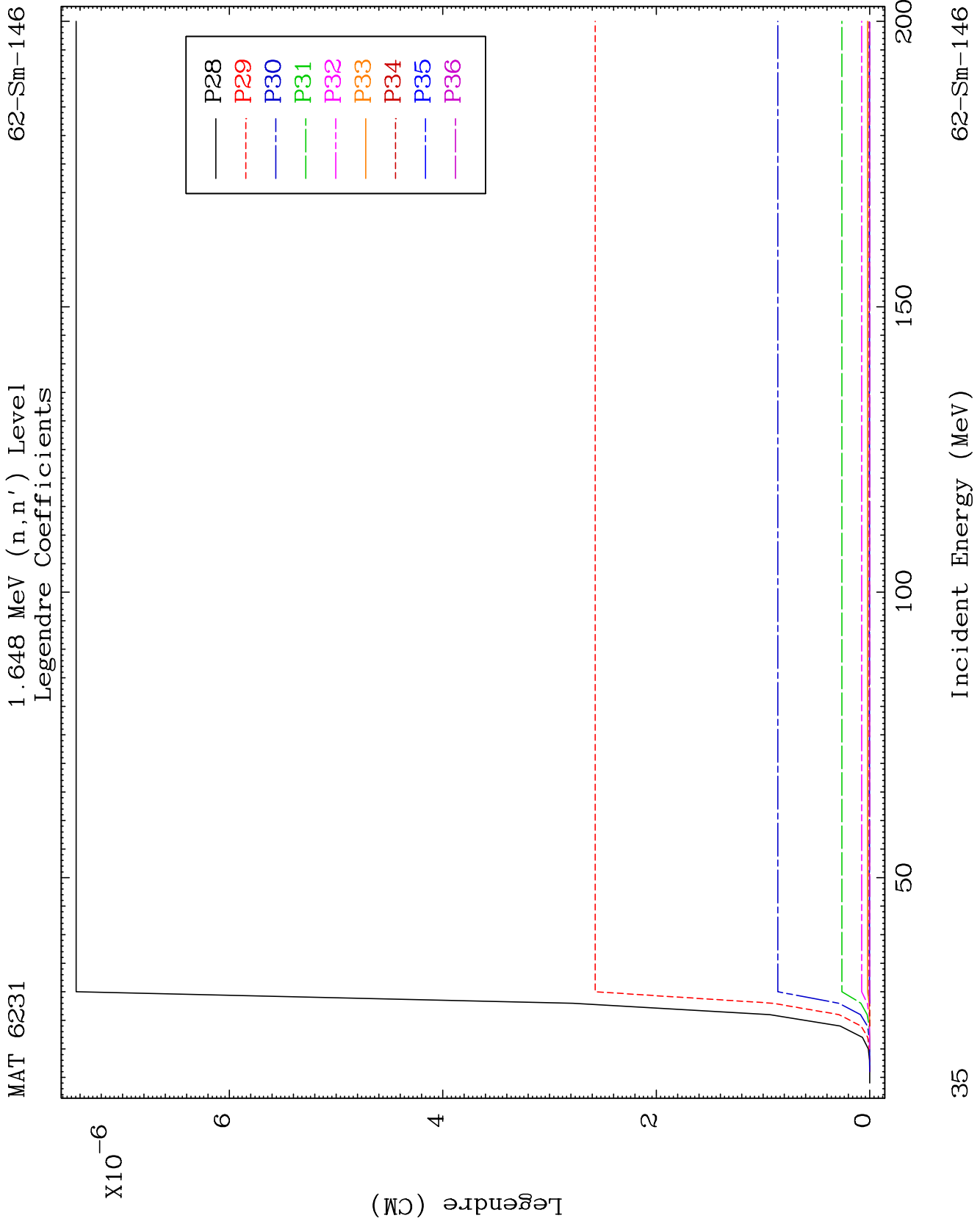
1.648 MeV (n, n') Level
Legendre Coefficients

62-Sm-146



34

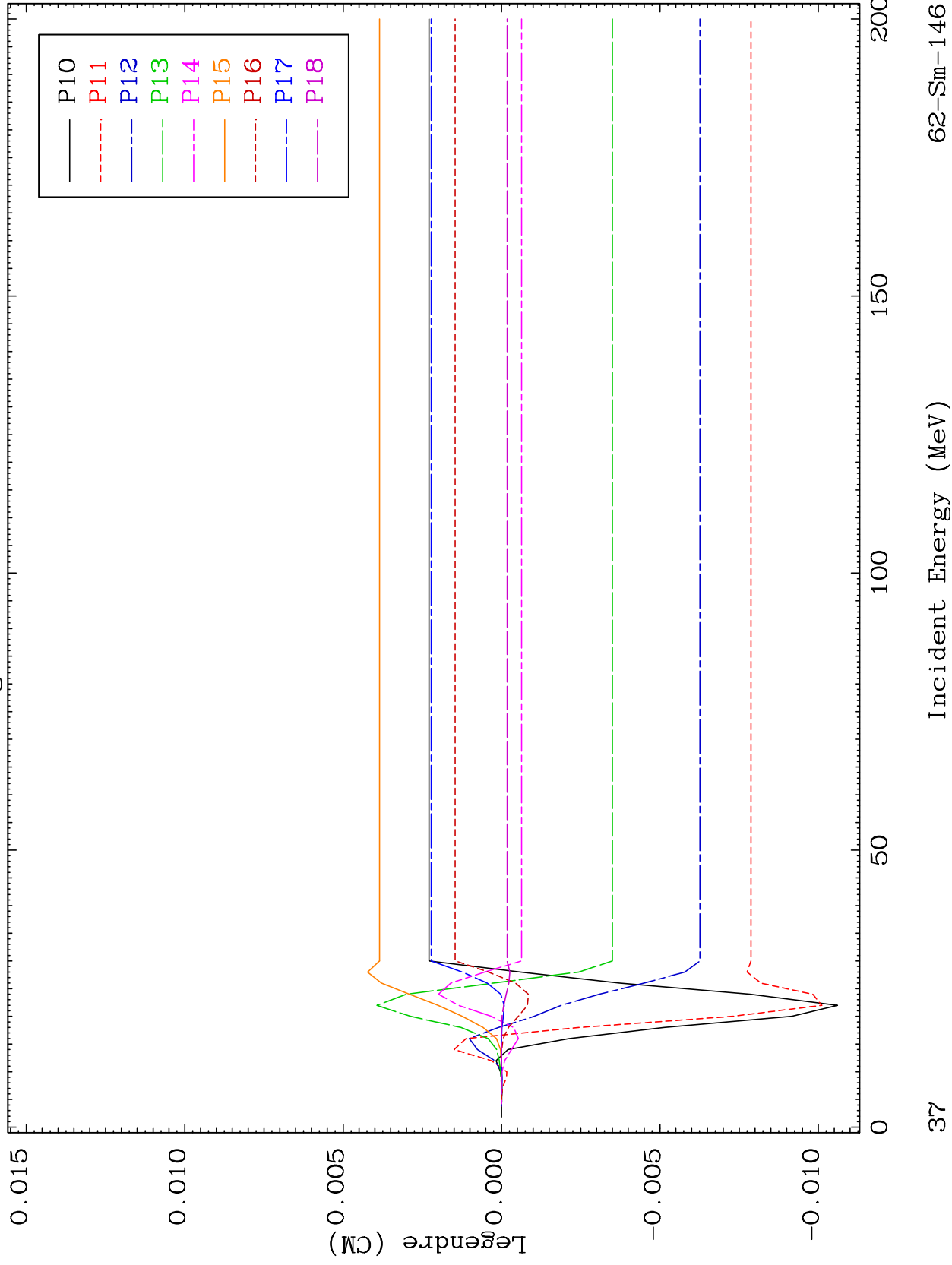
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MAT 6231

1.812 MeV (n,n') Level
Legendre Coefficients

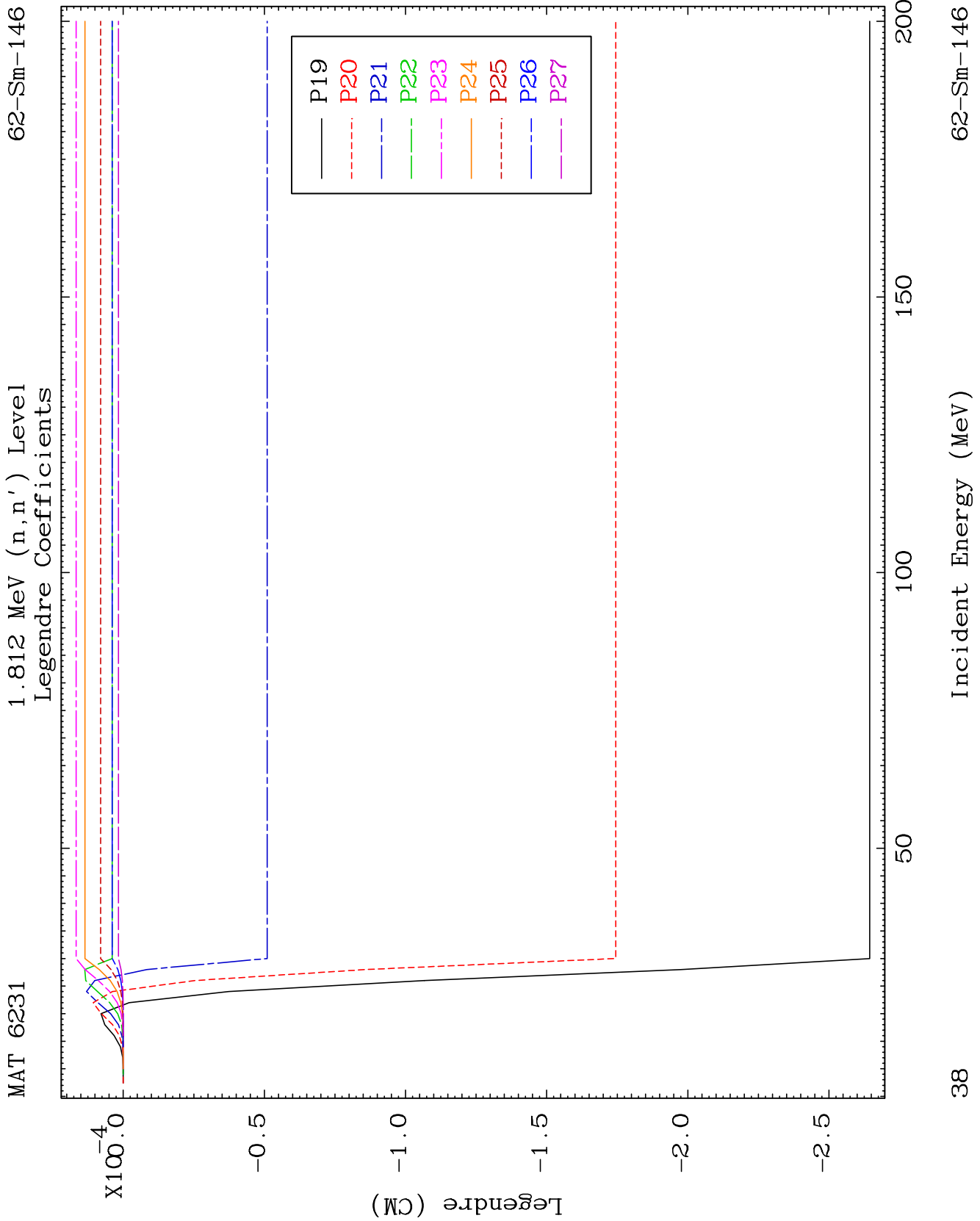
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37

Incident Energy (MeV)

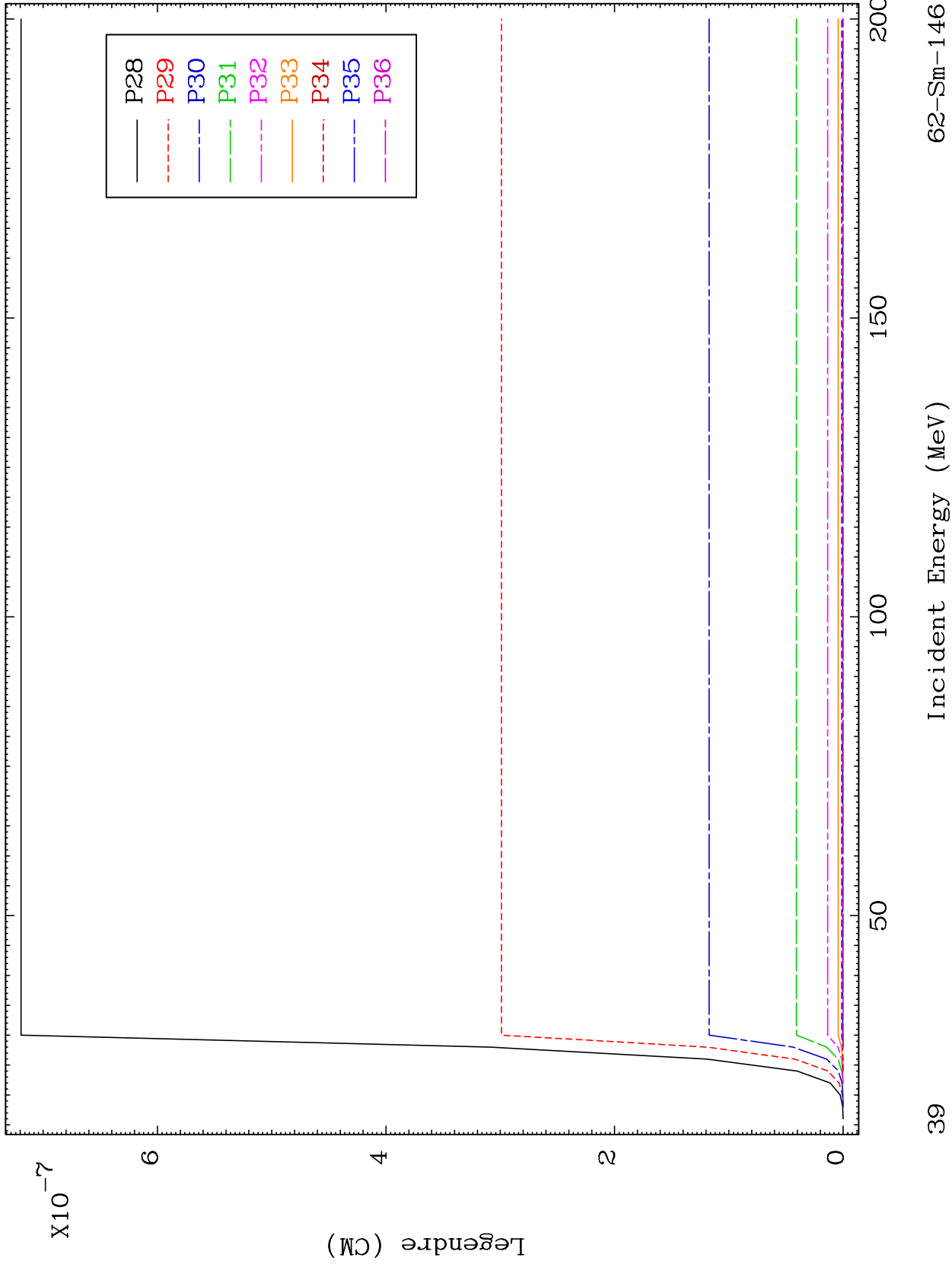
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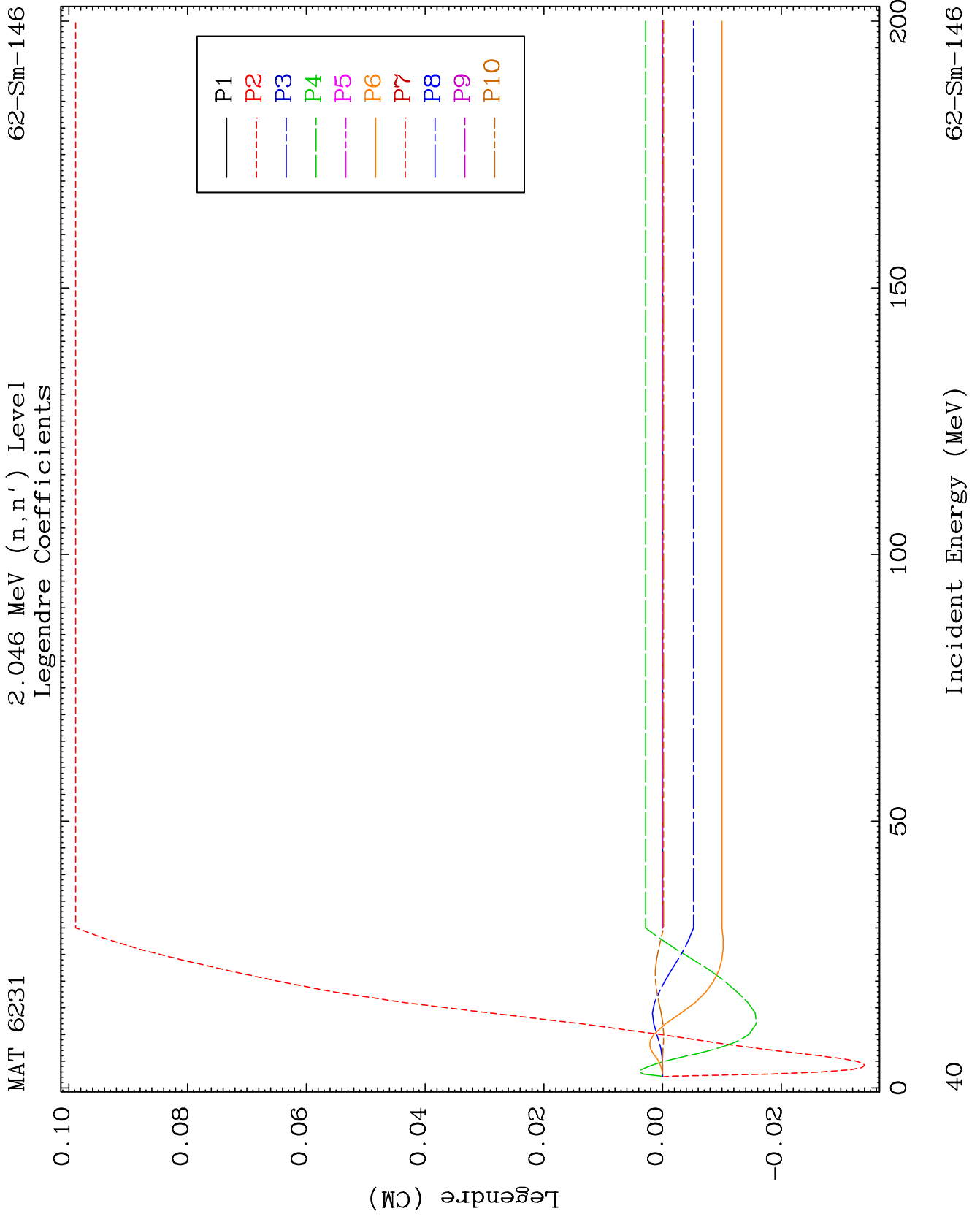


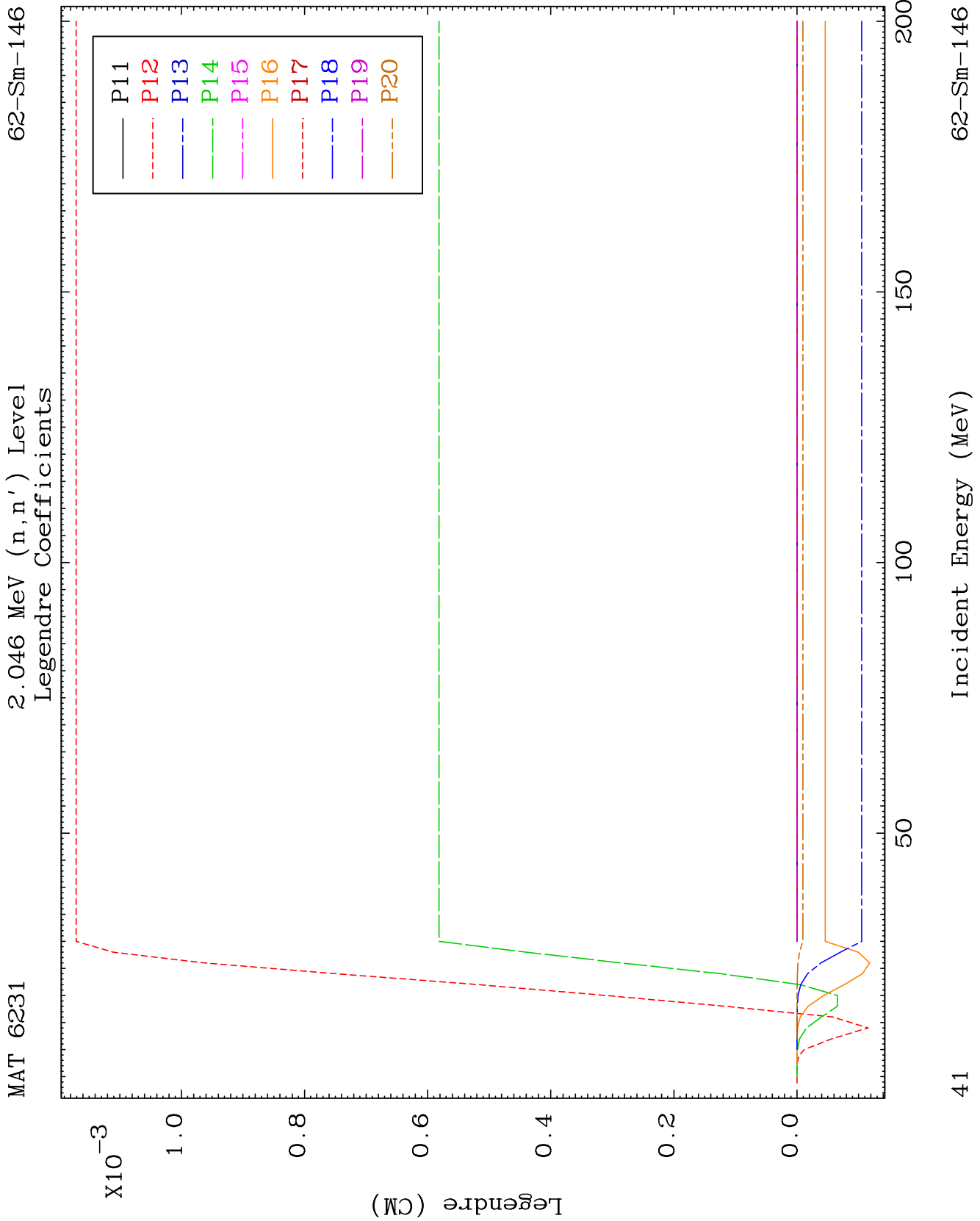
MAT 6231

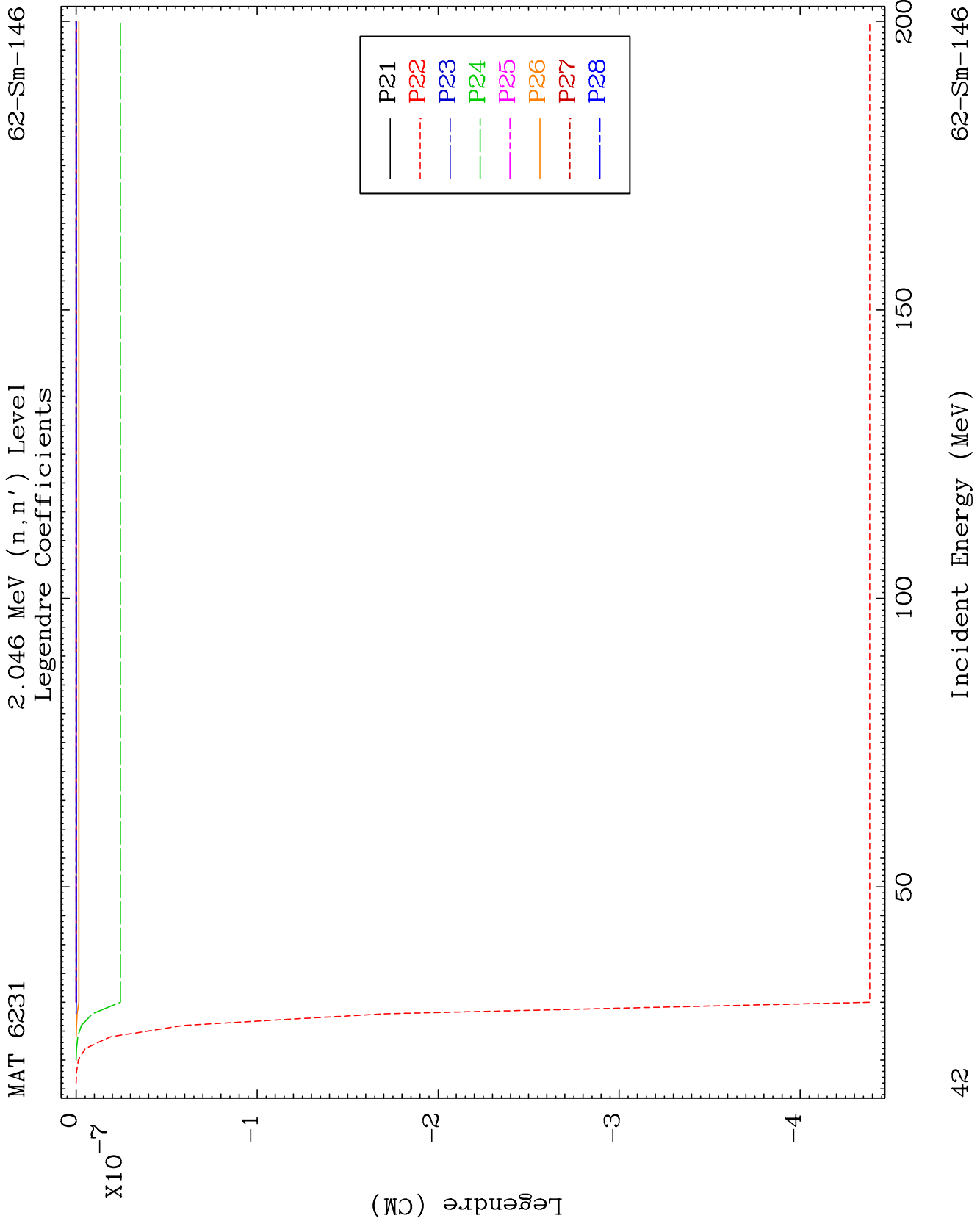
1.812 MeV (n,n') Level
Legendre Coefficients

62-Sm-146





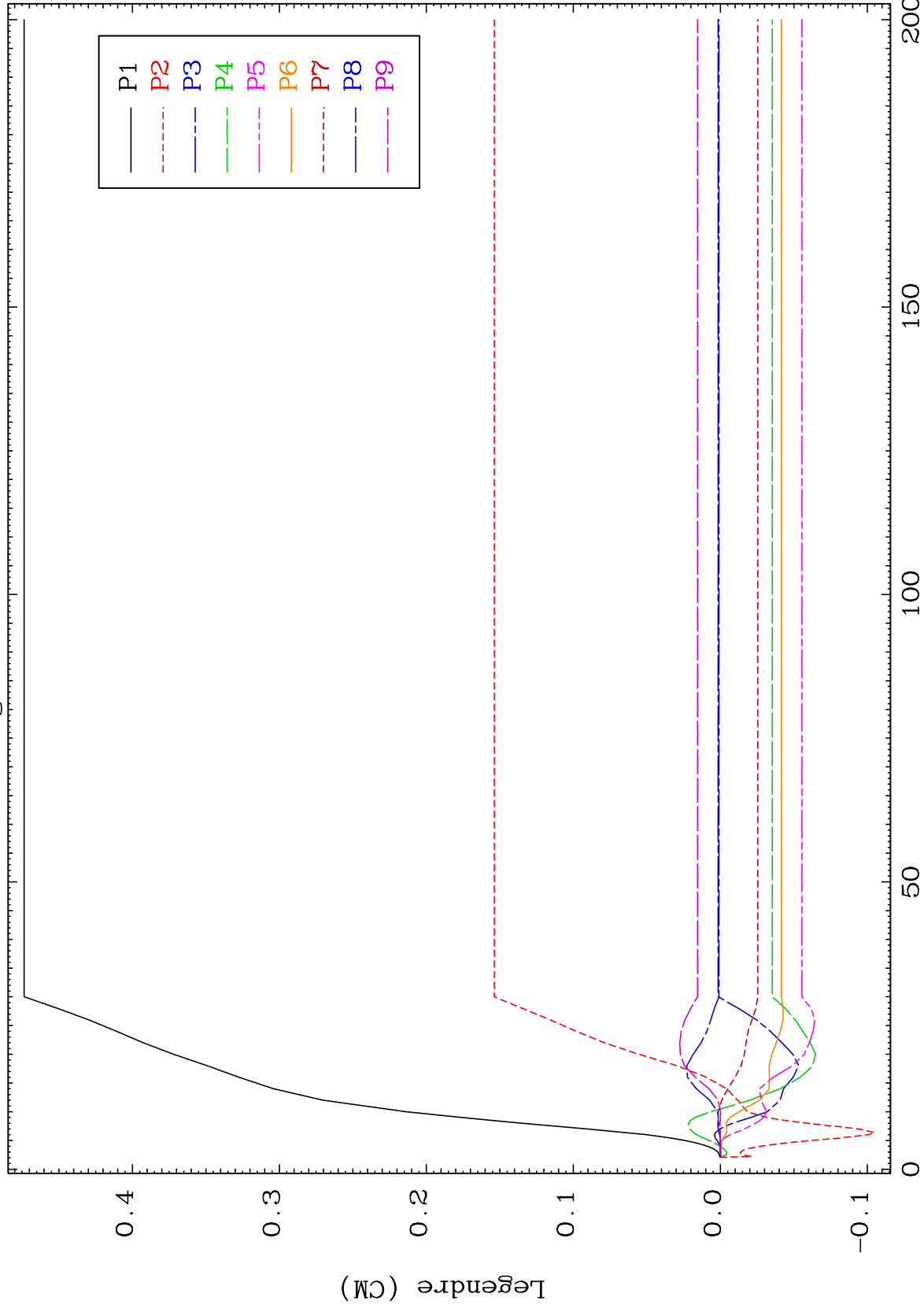




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2.083 MeV (n,n') Level
Legendre Coefficients

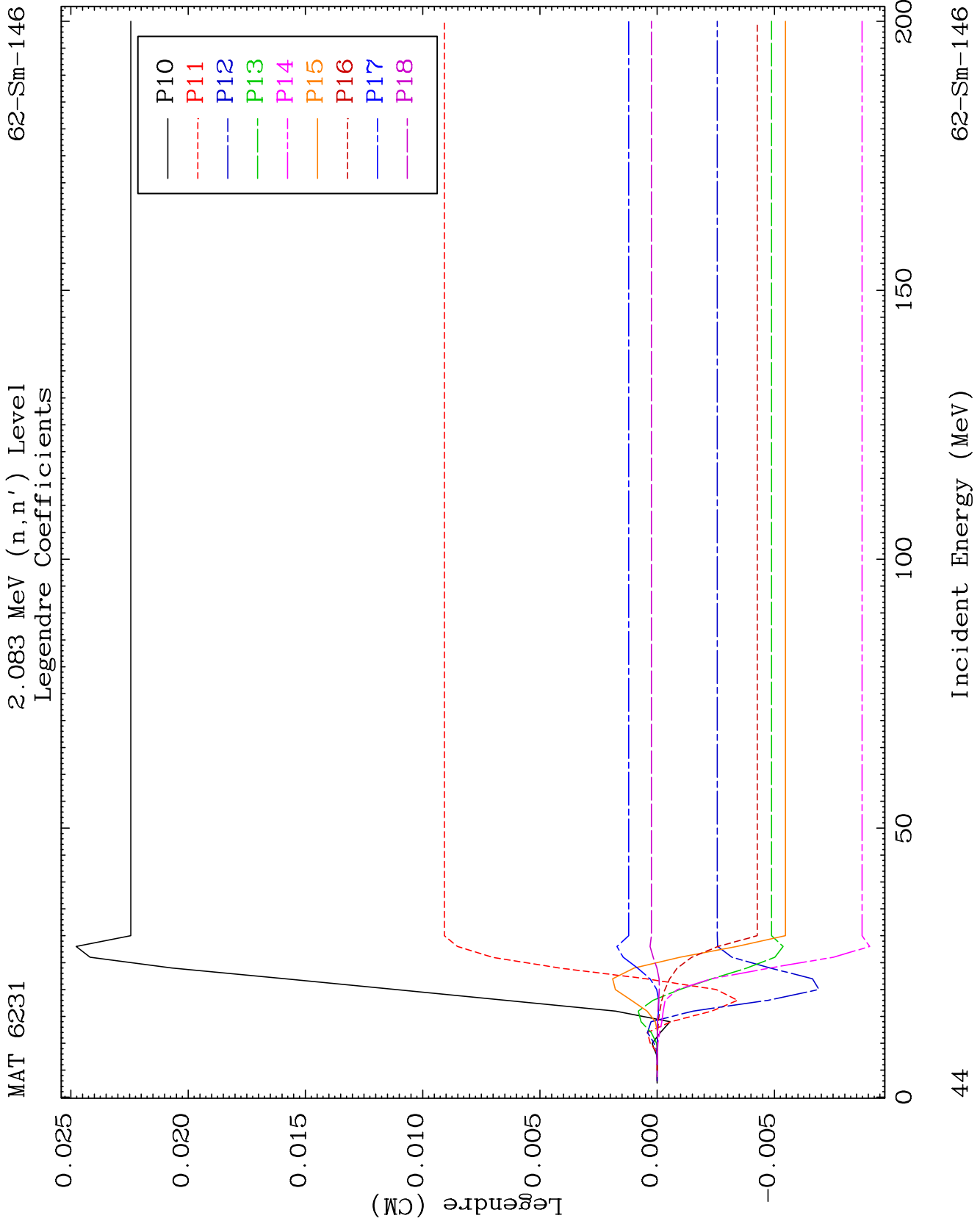
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62-Sm-146

Incident Energy (MeV)

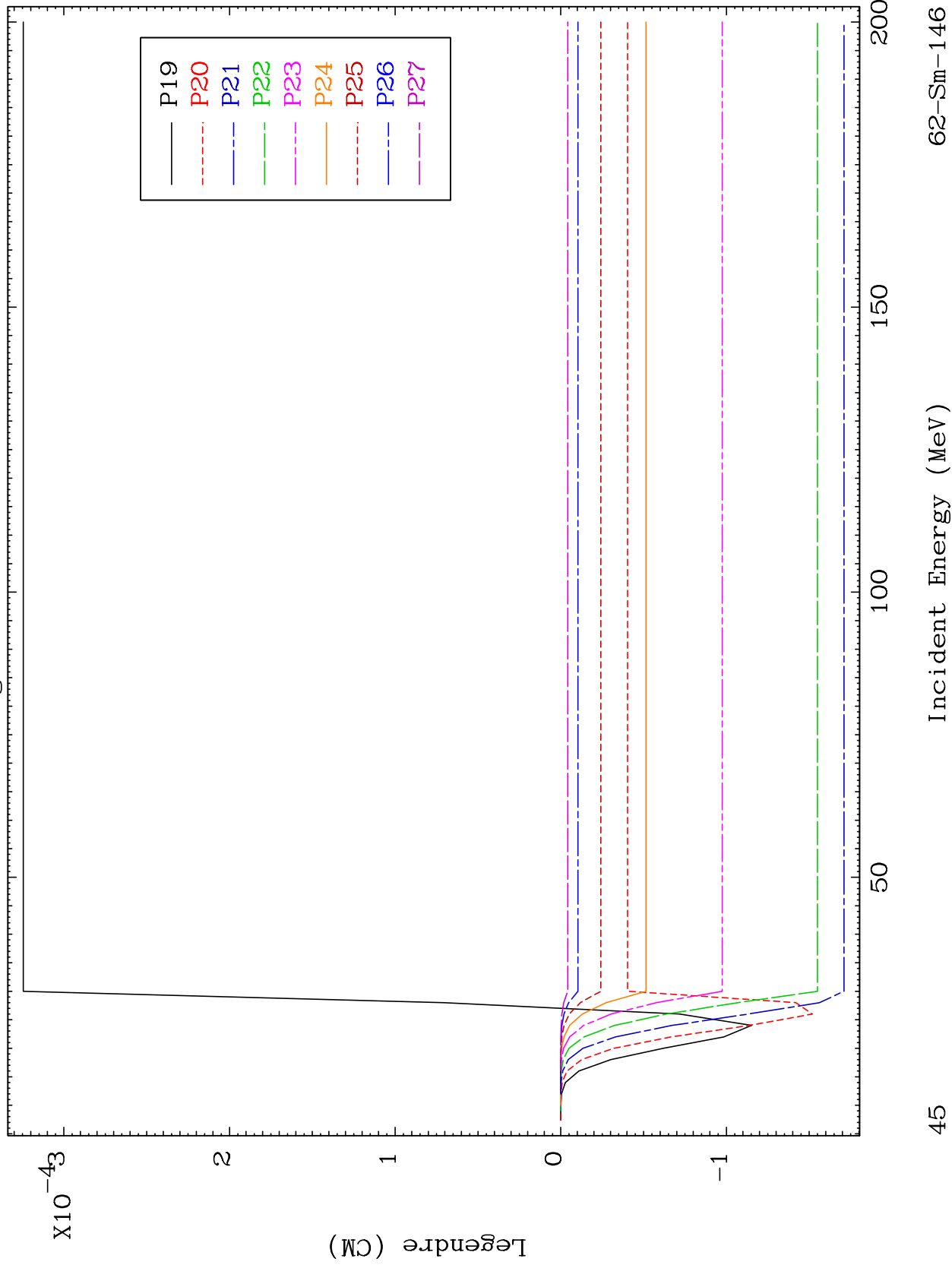
43



MAT 6231

2.083 MeV (n, n') Level
Legendre Coefficients

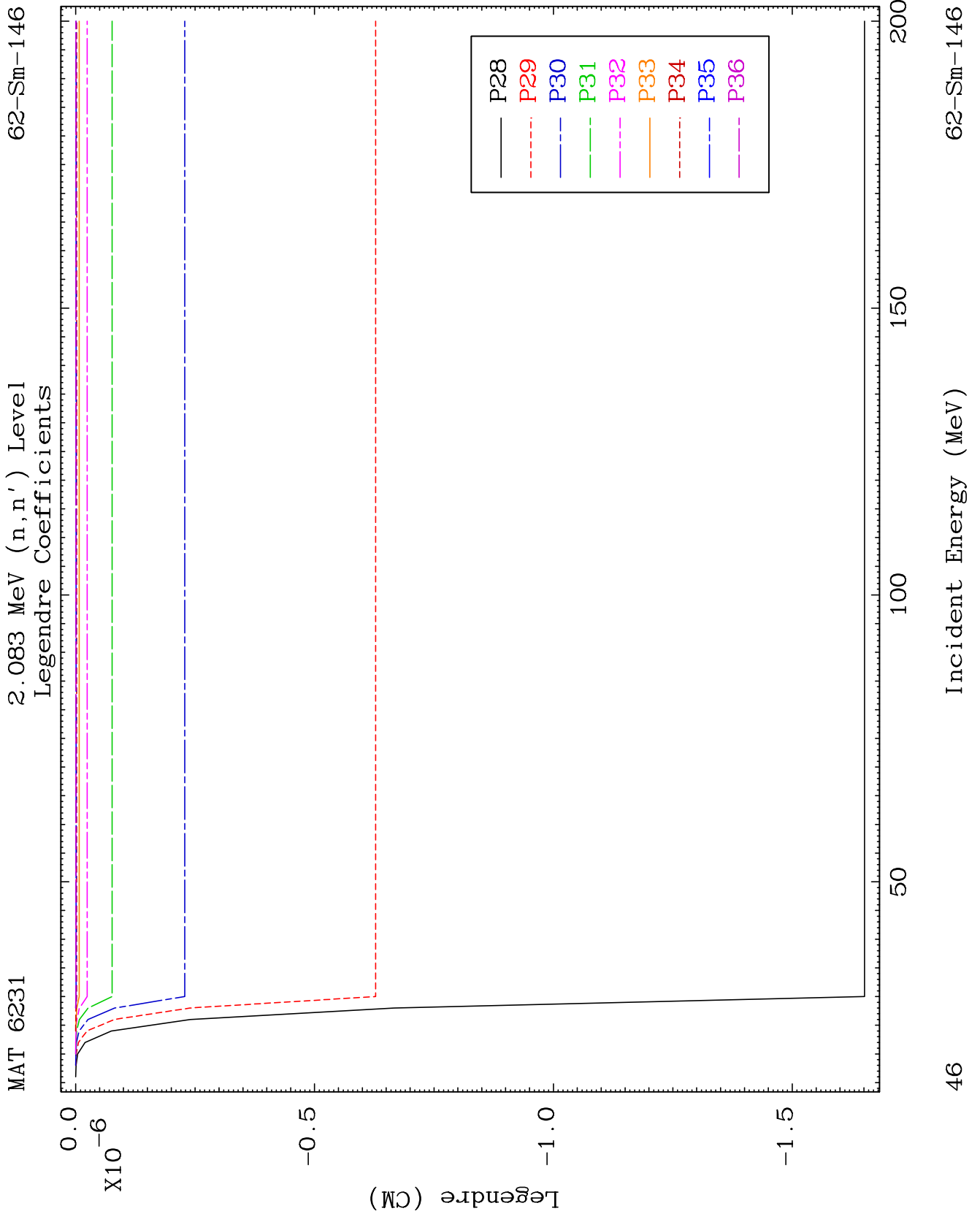
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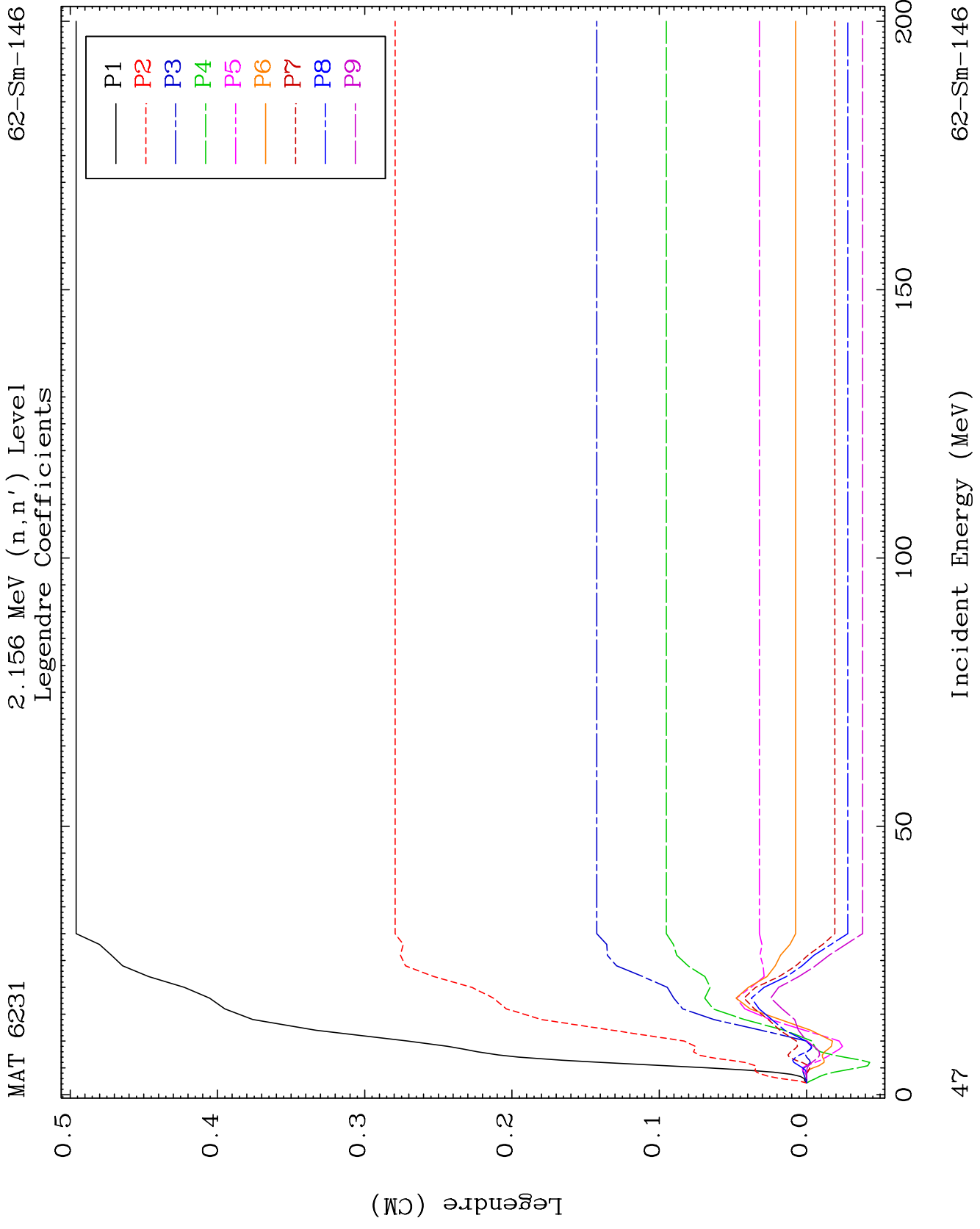


45

Incident Energy (MeV)

62-Sm-146

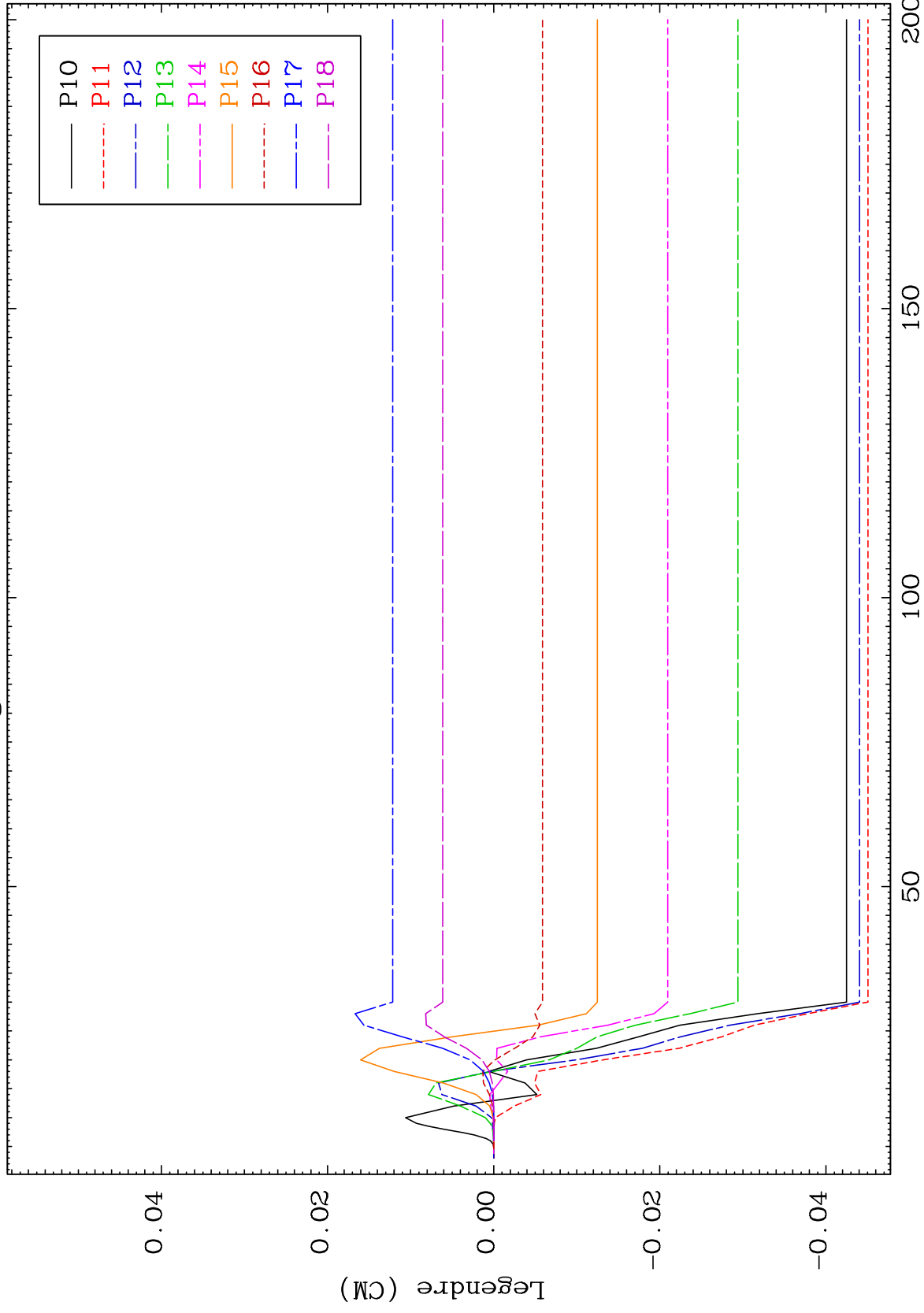




MAT 6231

2.156 MeV (n, n') Level
Legendre Coefficients

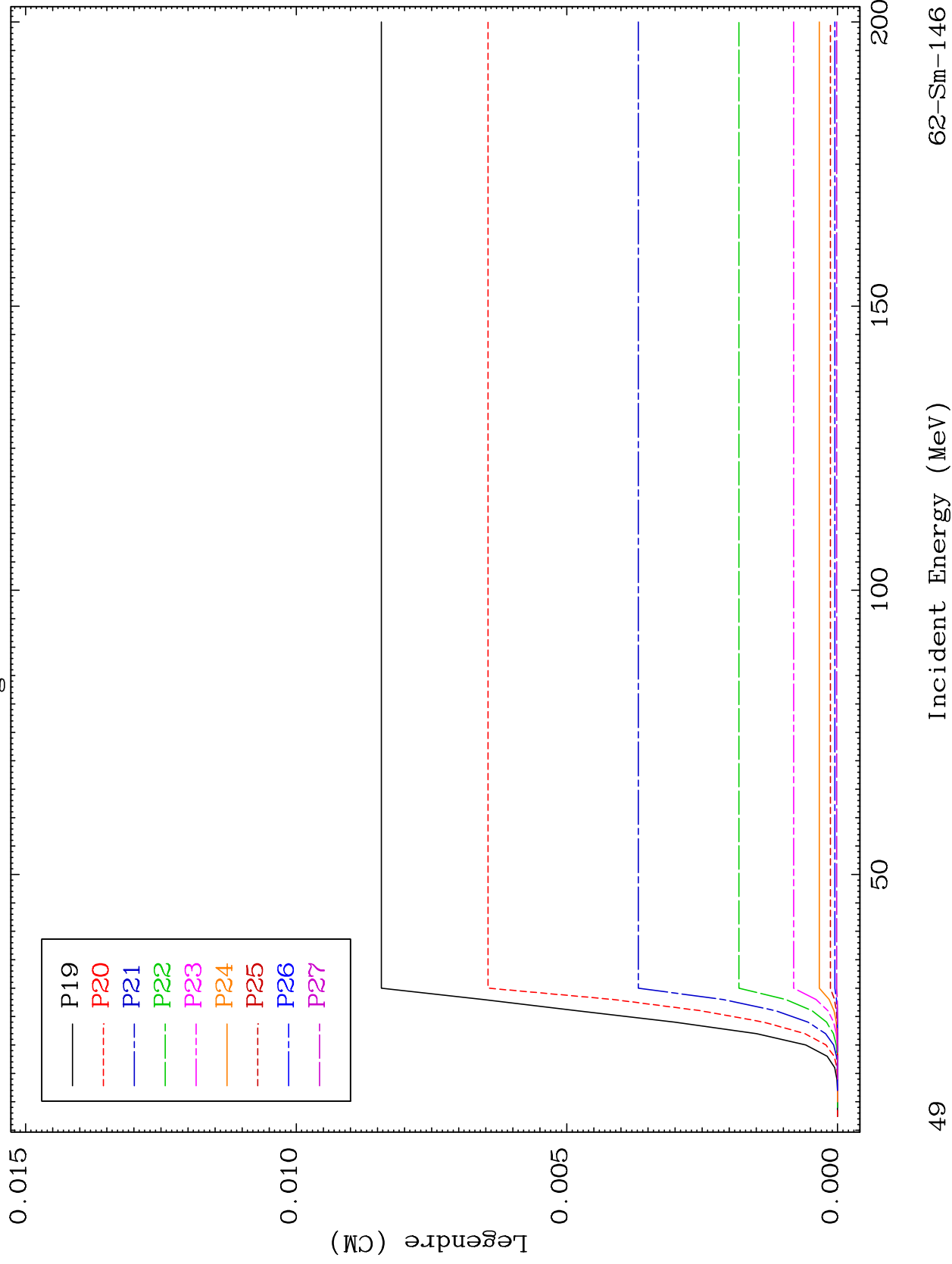
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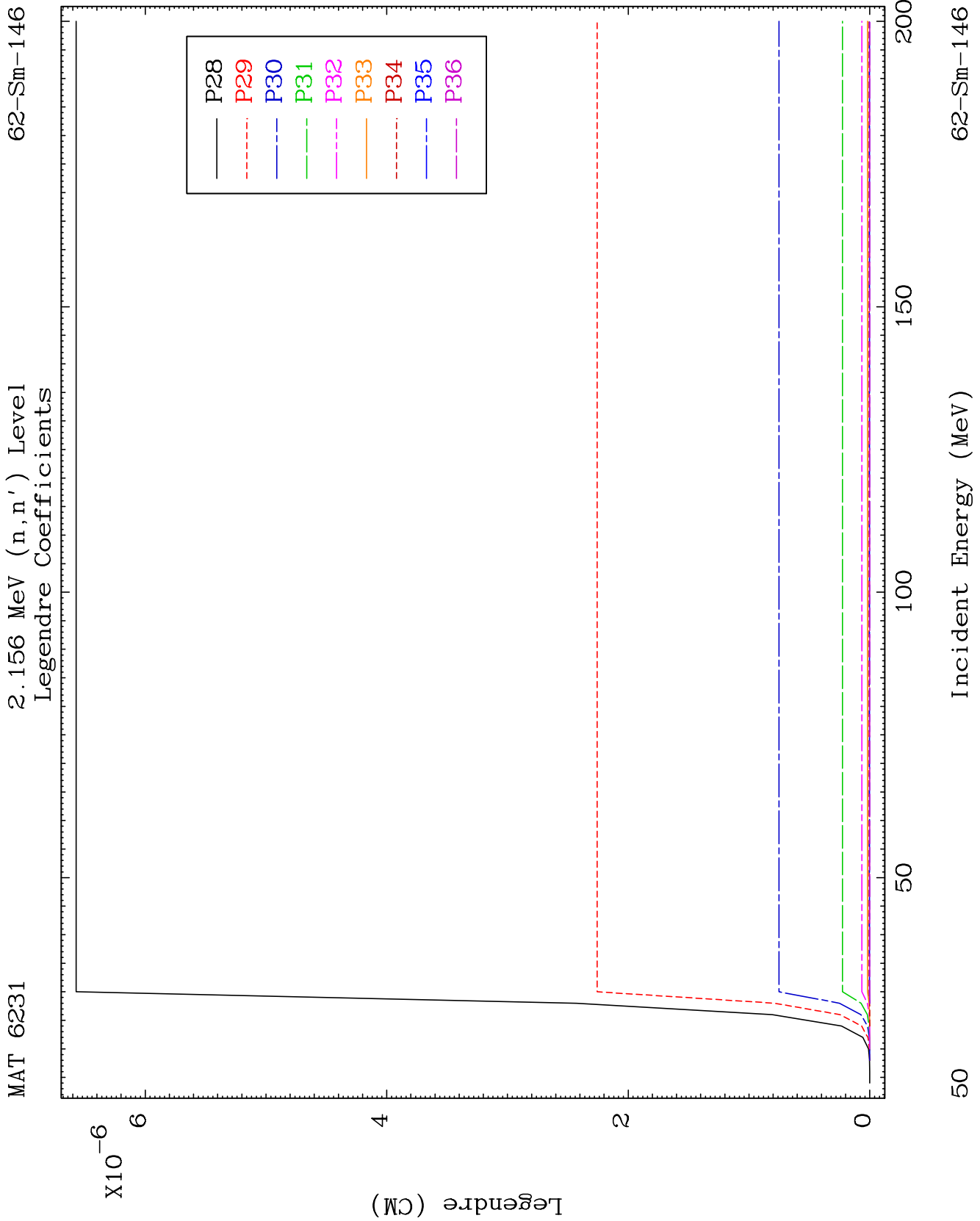


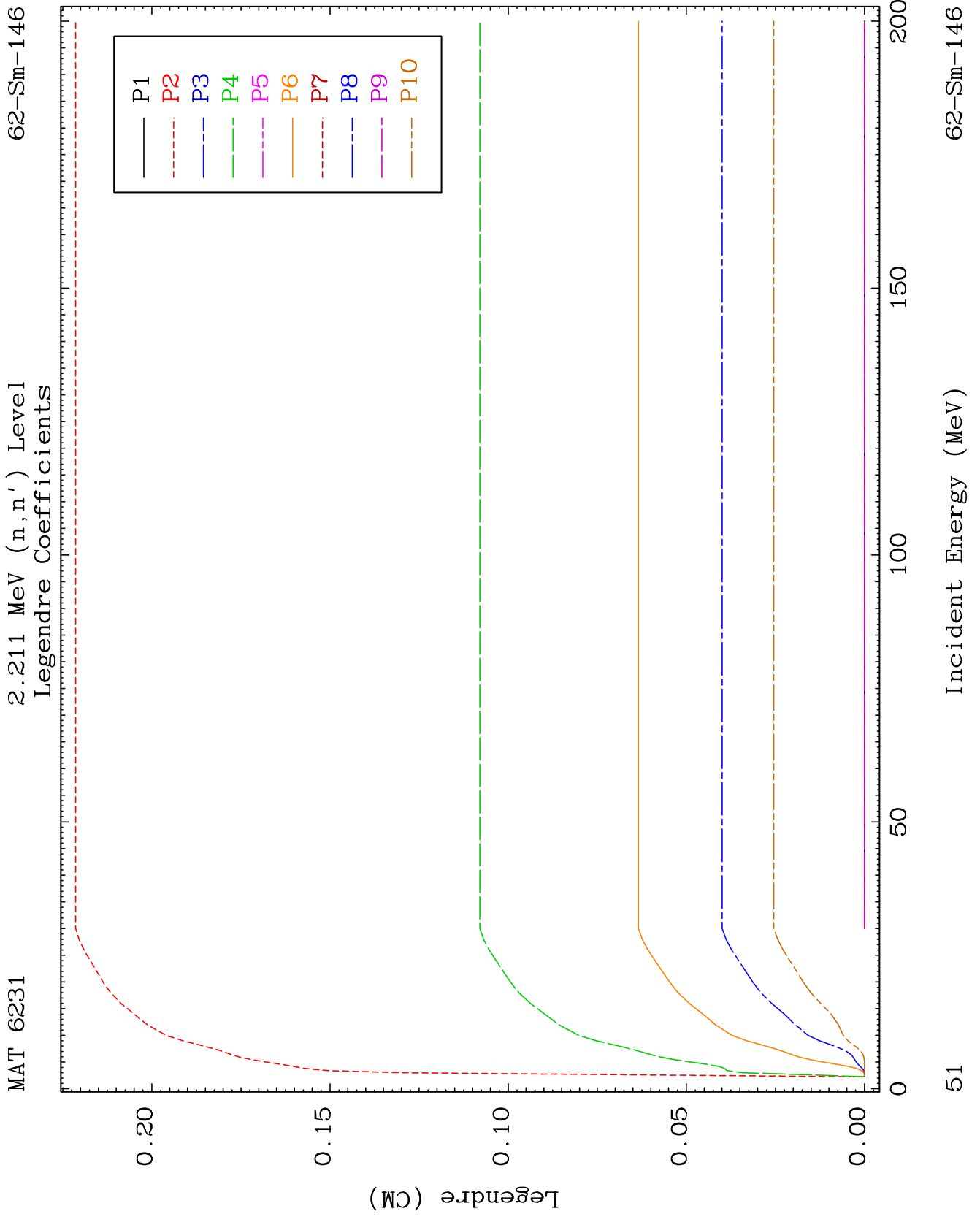
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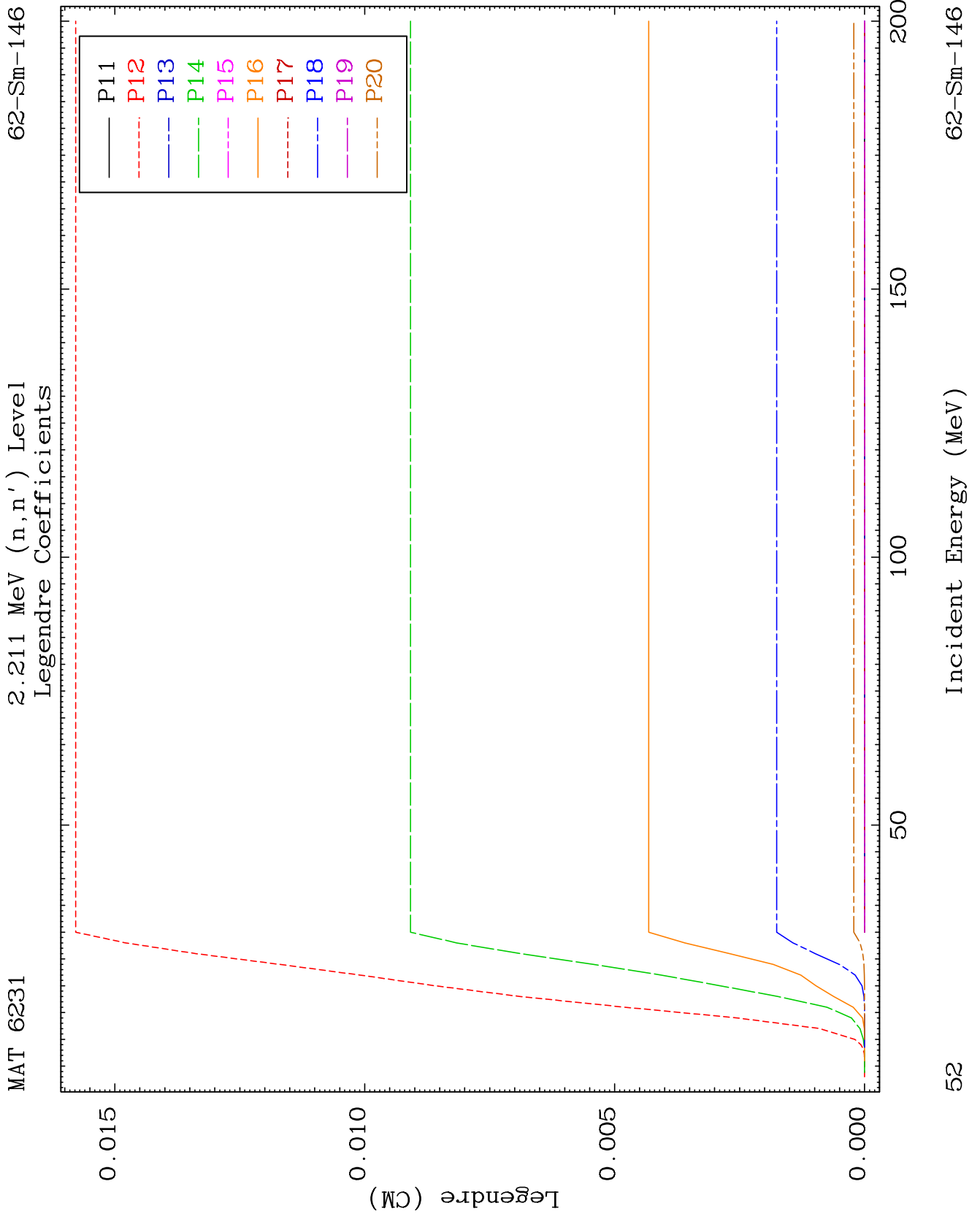
Incident Energy (MeV)

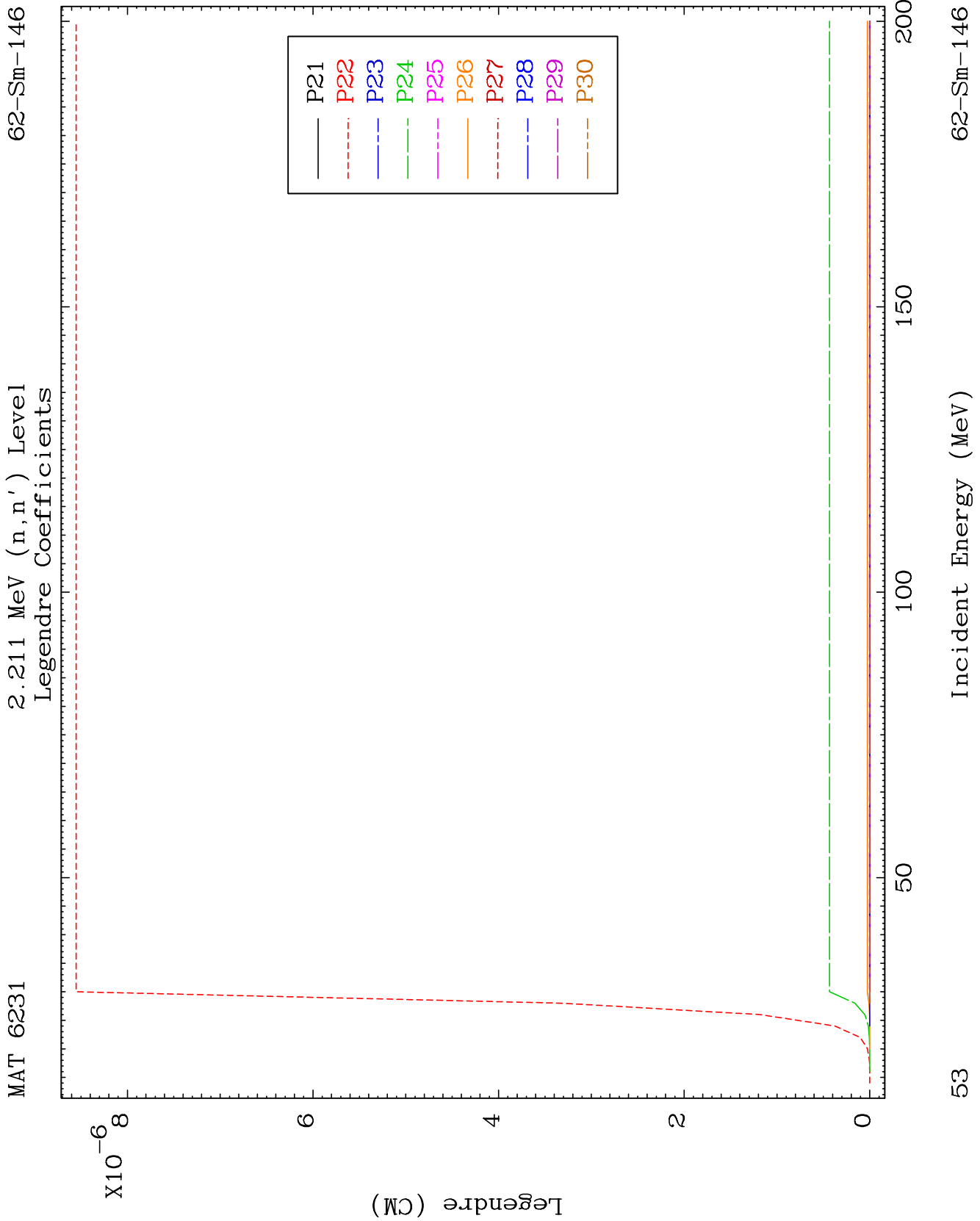
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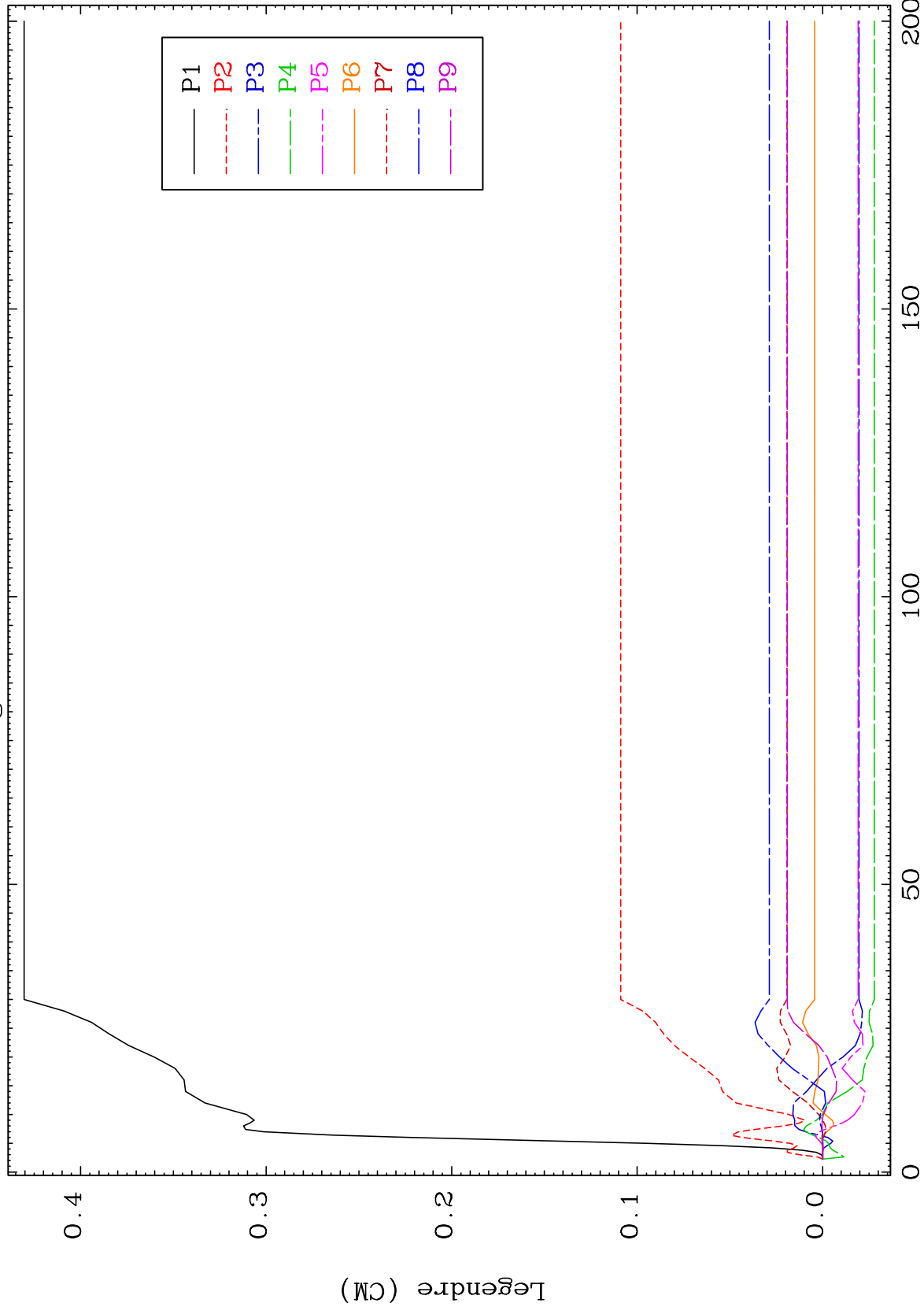




MAT 6231

2.222 MeV (n, n') Level
Legendre Coefficients

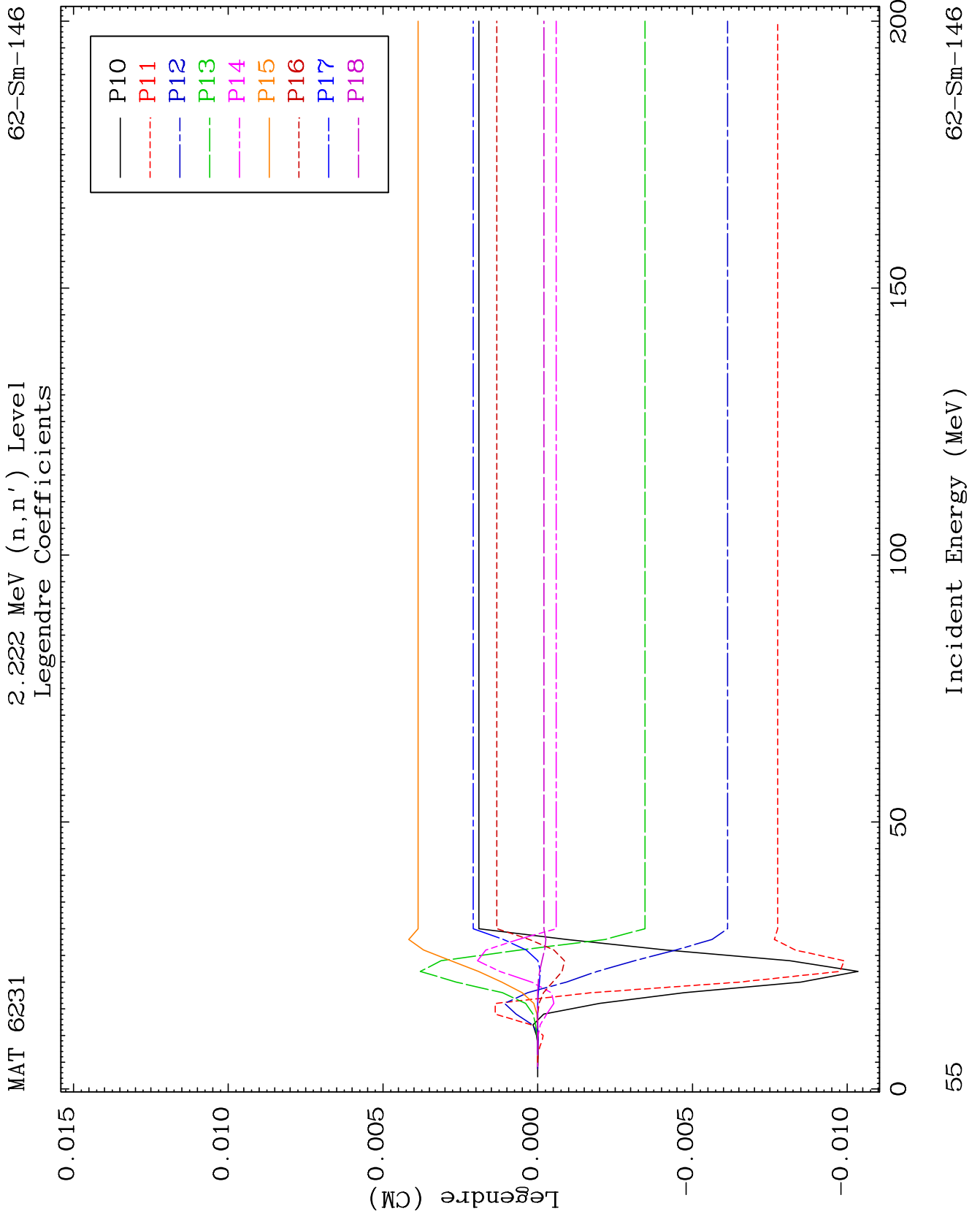
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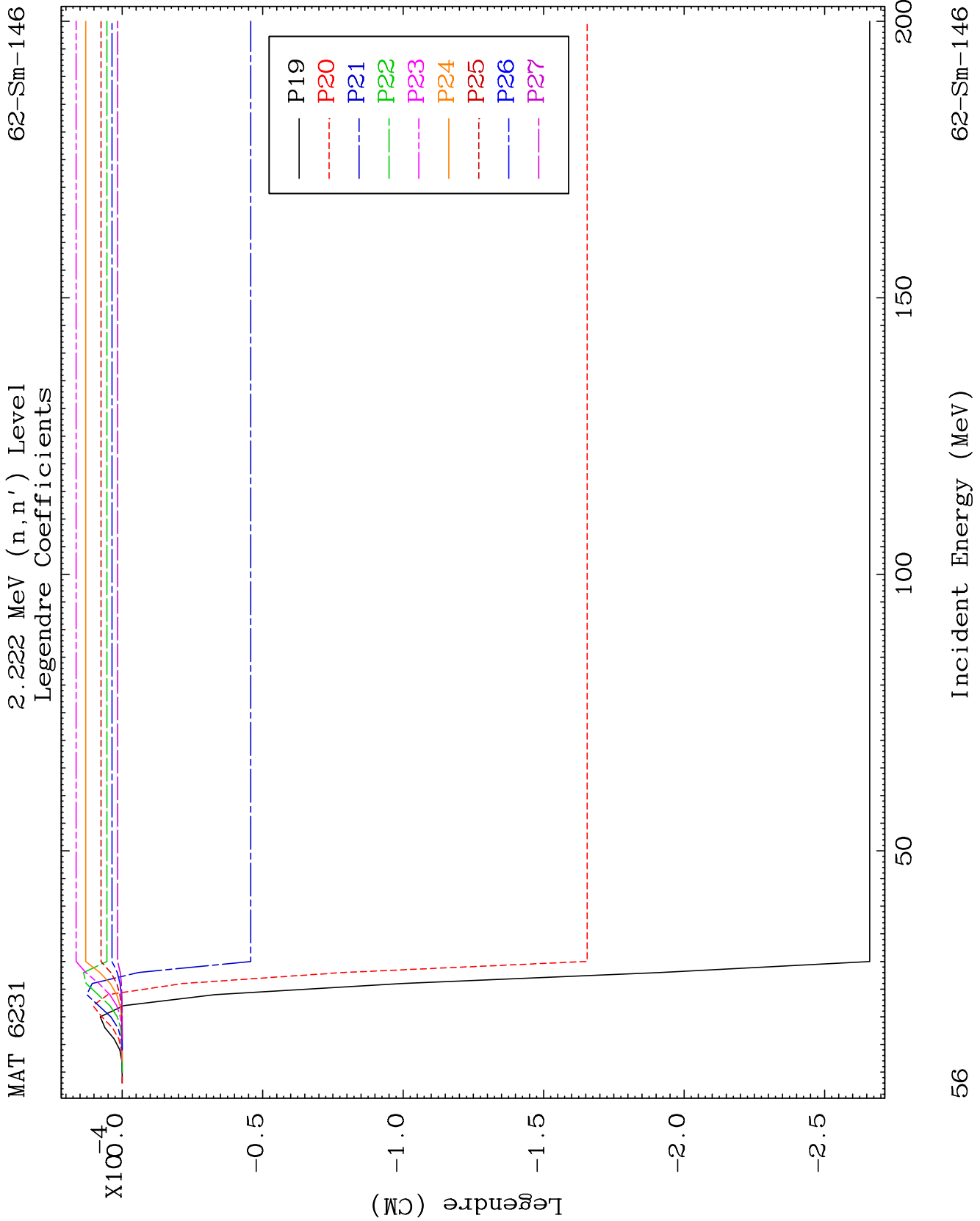


54

Incident Energy (MeV)

62-Sm-146

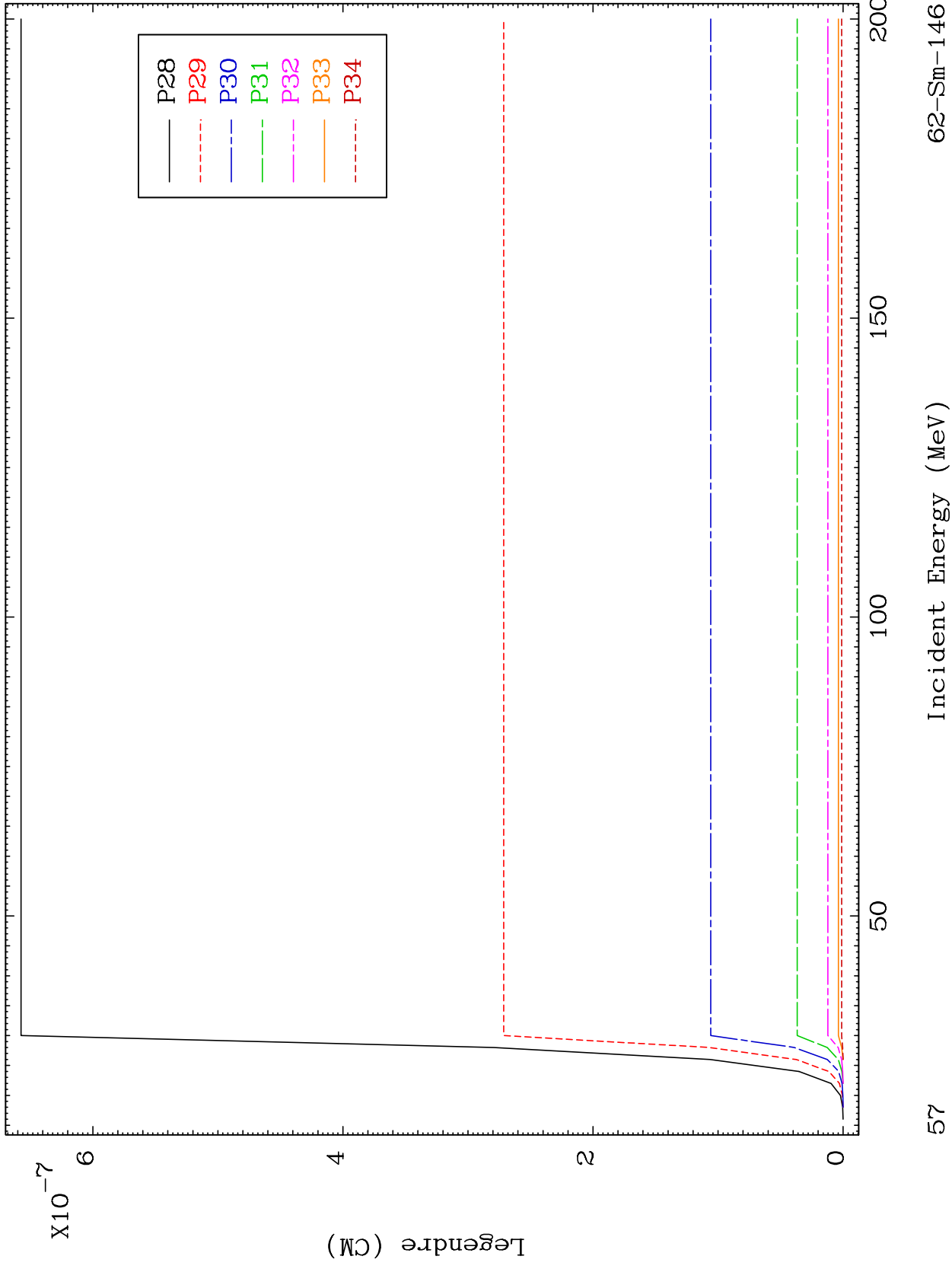




MAT 6231

2.222 MeV (n,n') Level
Legendre Coefficients

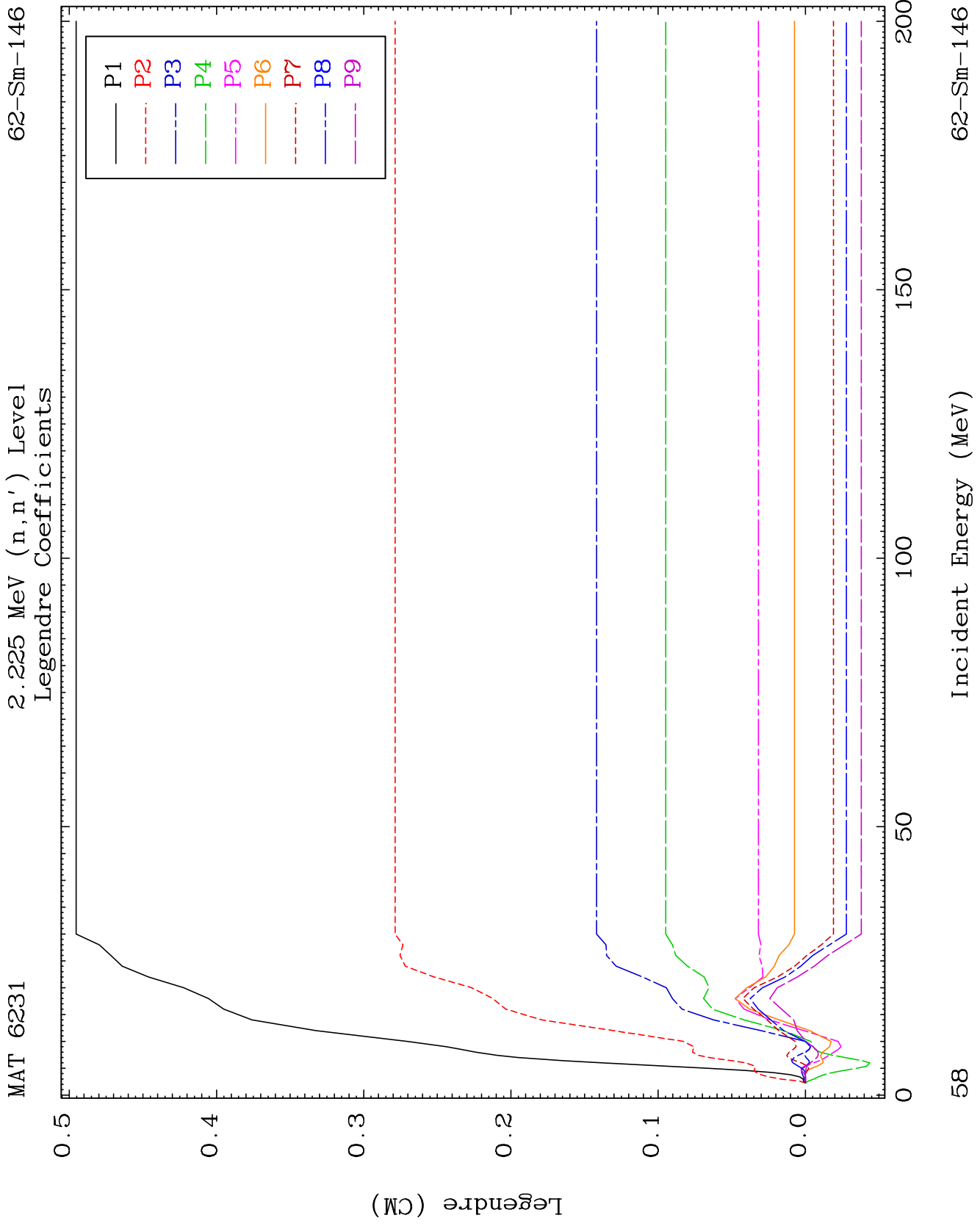
62-Sm-146



57

Incident Energy (MeV)

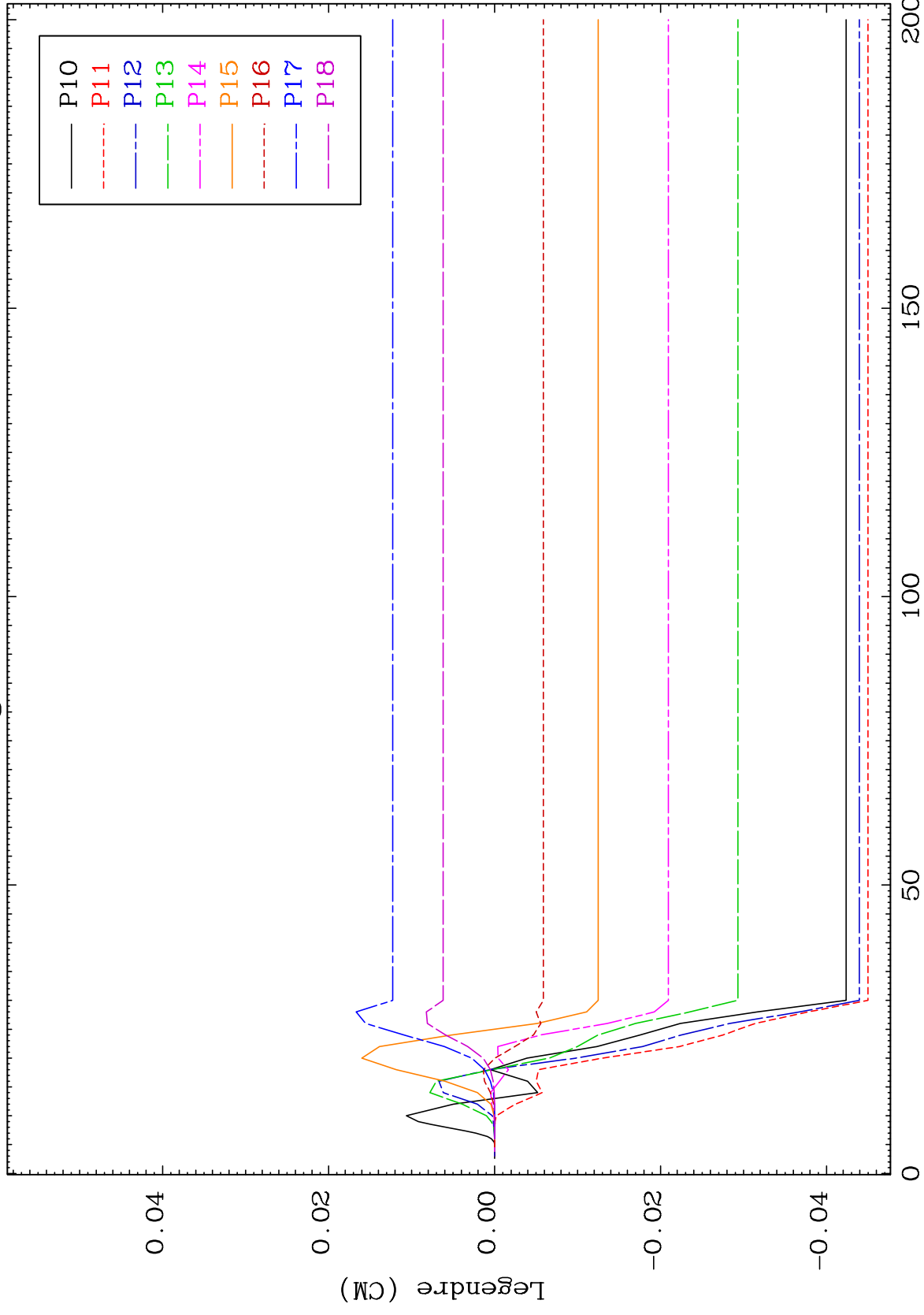
62-Sm-146



MAT 6231

2.225 MeV (n, n') Level
Legendre Coefficients

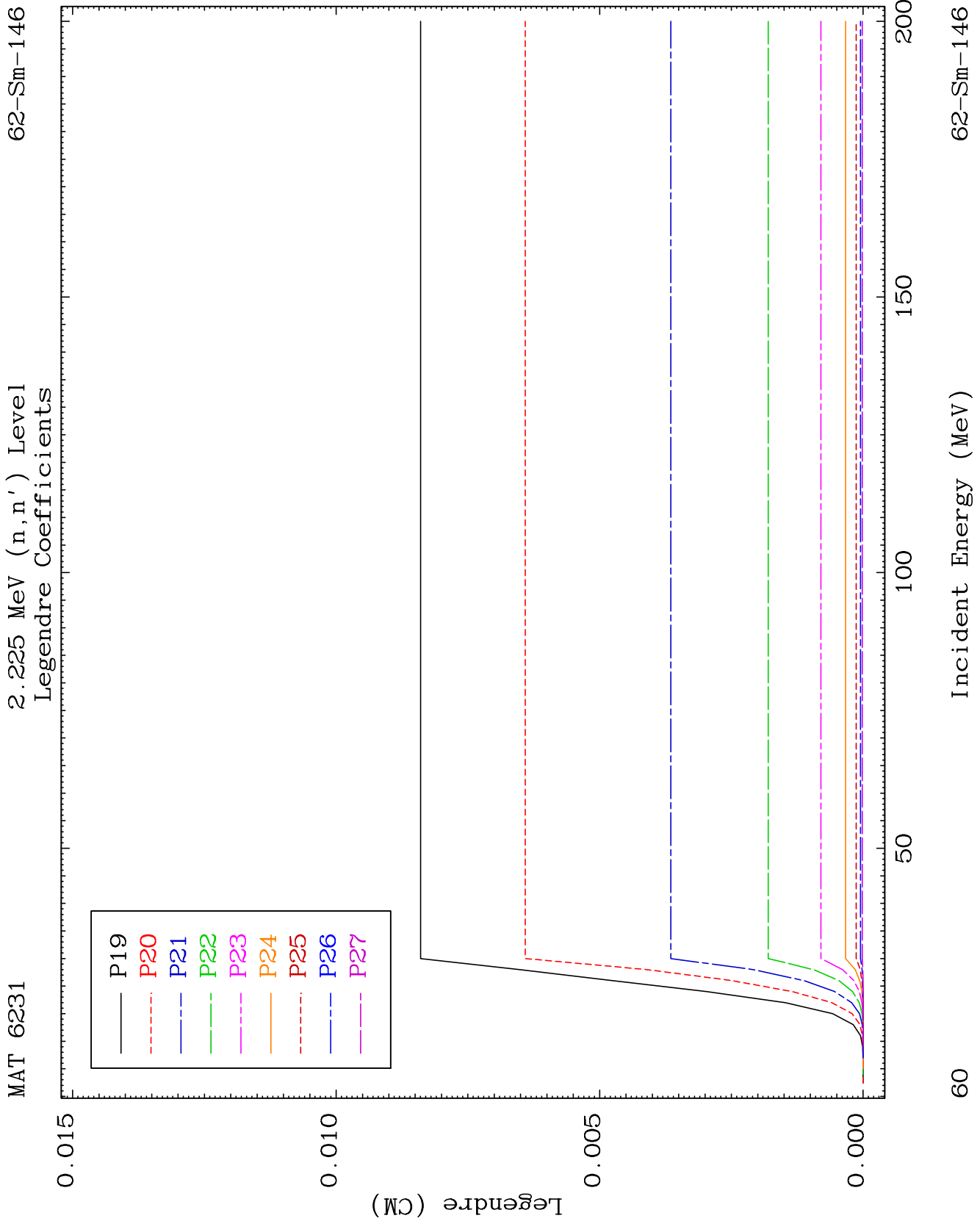
62-Sm-146



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Incident Energy (MeV)

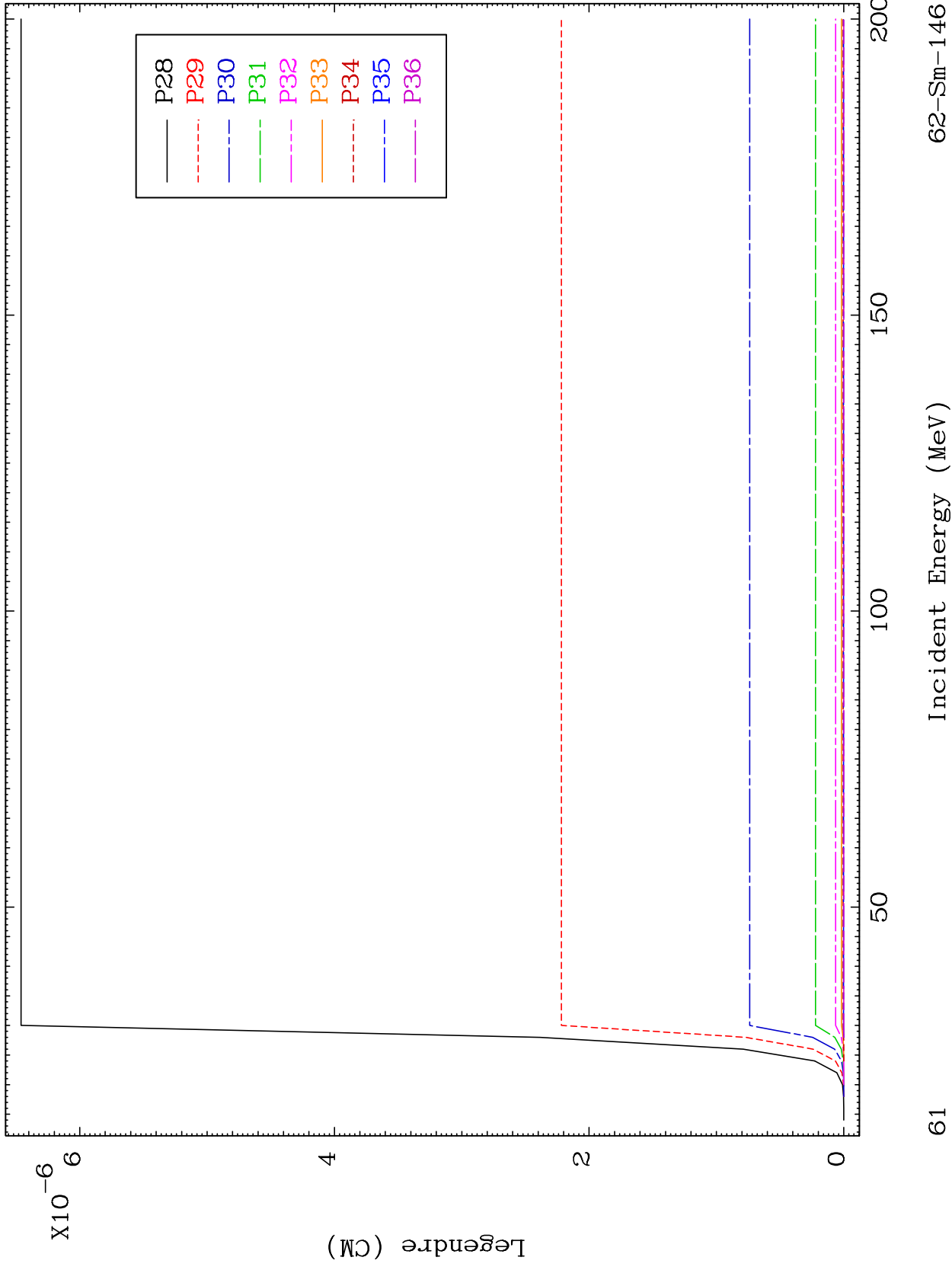
62-Sm-146



MAT 6231

2.225 MeV (n, n') Level
Legendre Coefficients

62-Sm-146



61

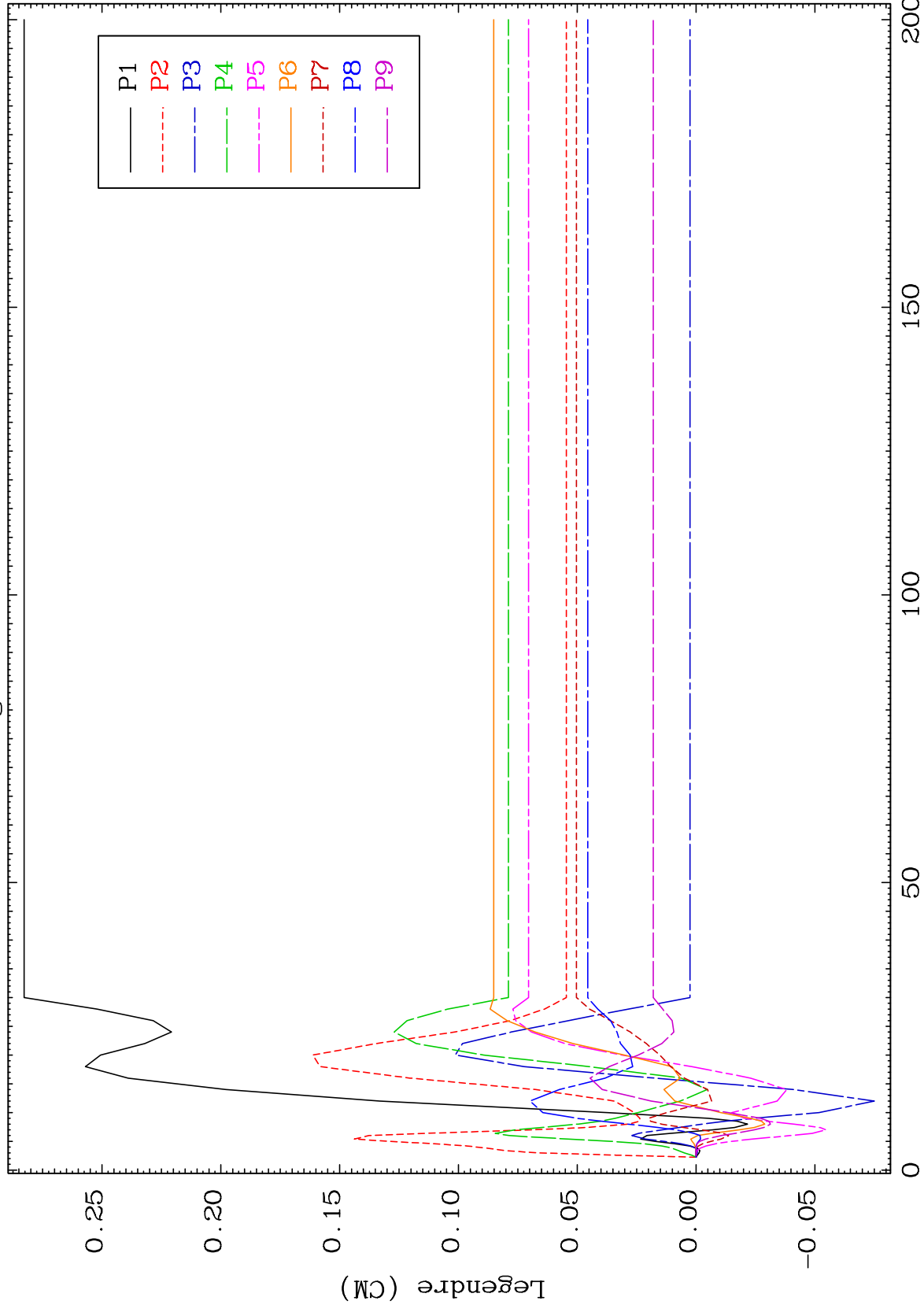
Incident Energy (MeV)

62-Sm-146

MAT 6231

2.231 MeV (n,n') Level
Legendre Coefficients

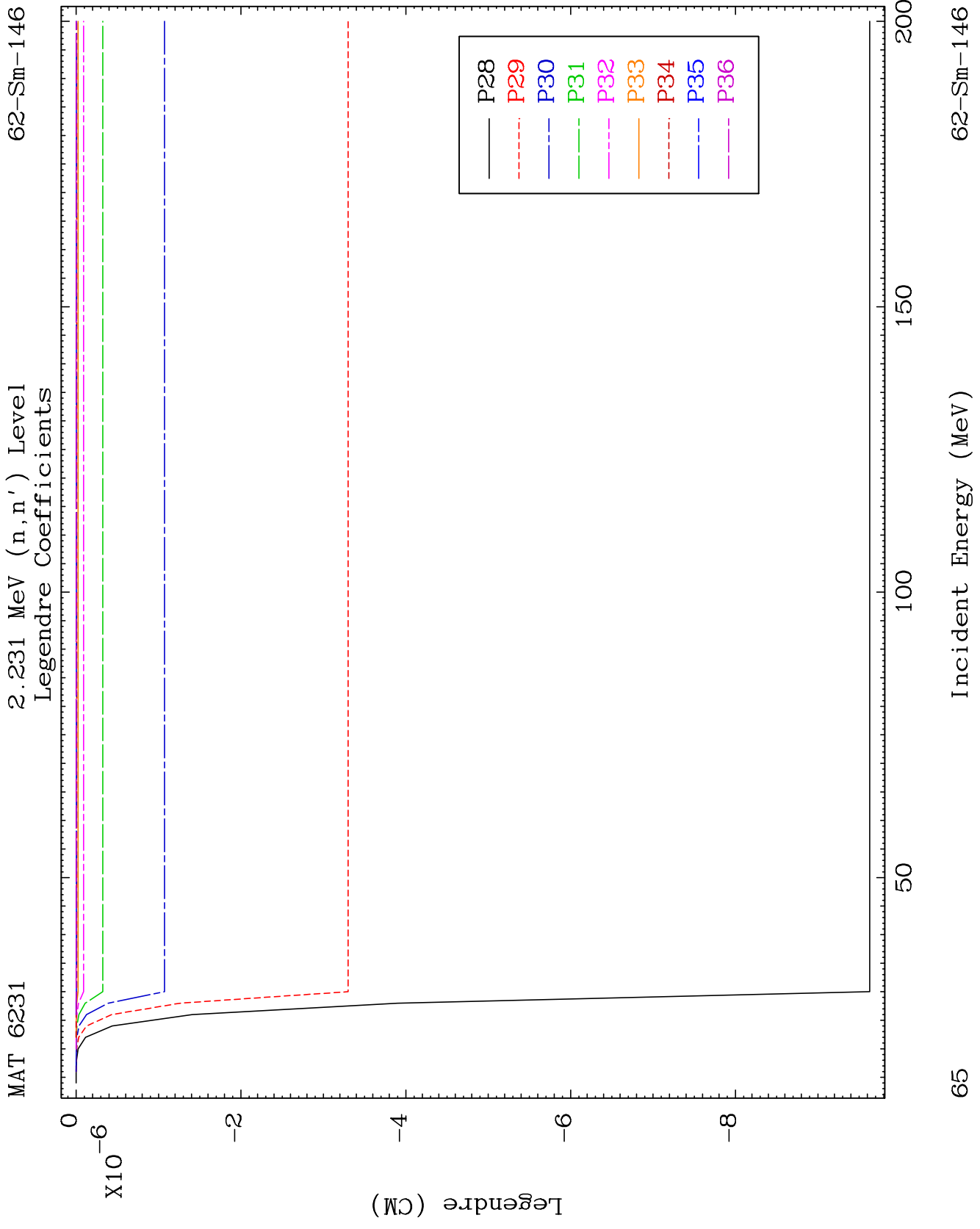
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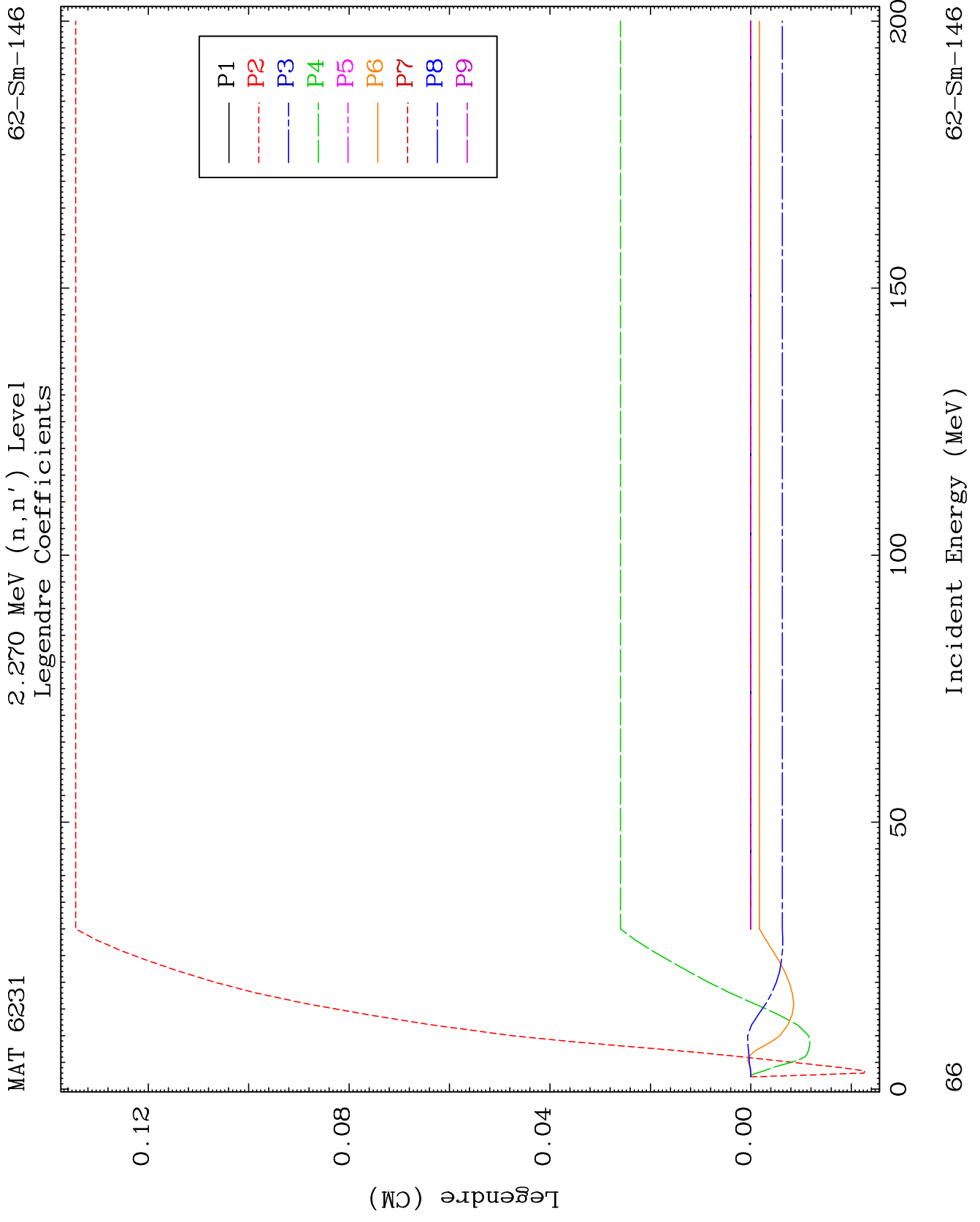


62

Incident Energy (MeV)

62-Sm-146

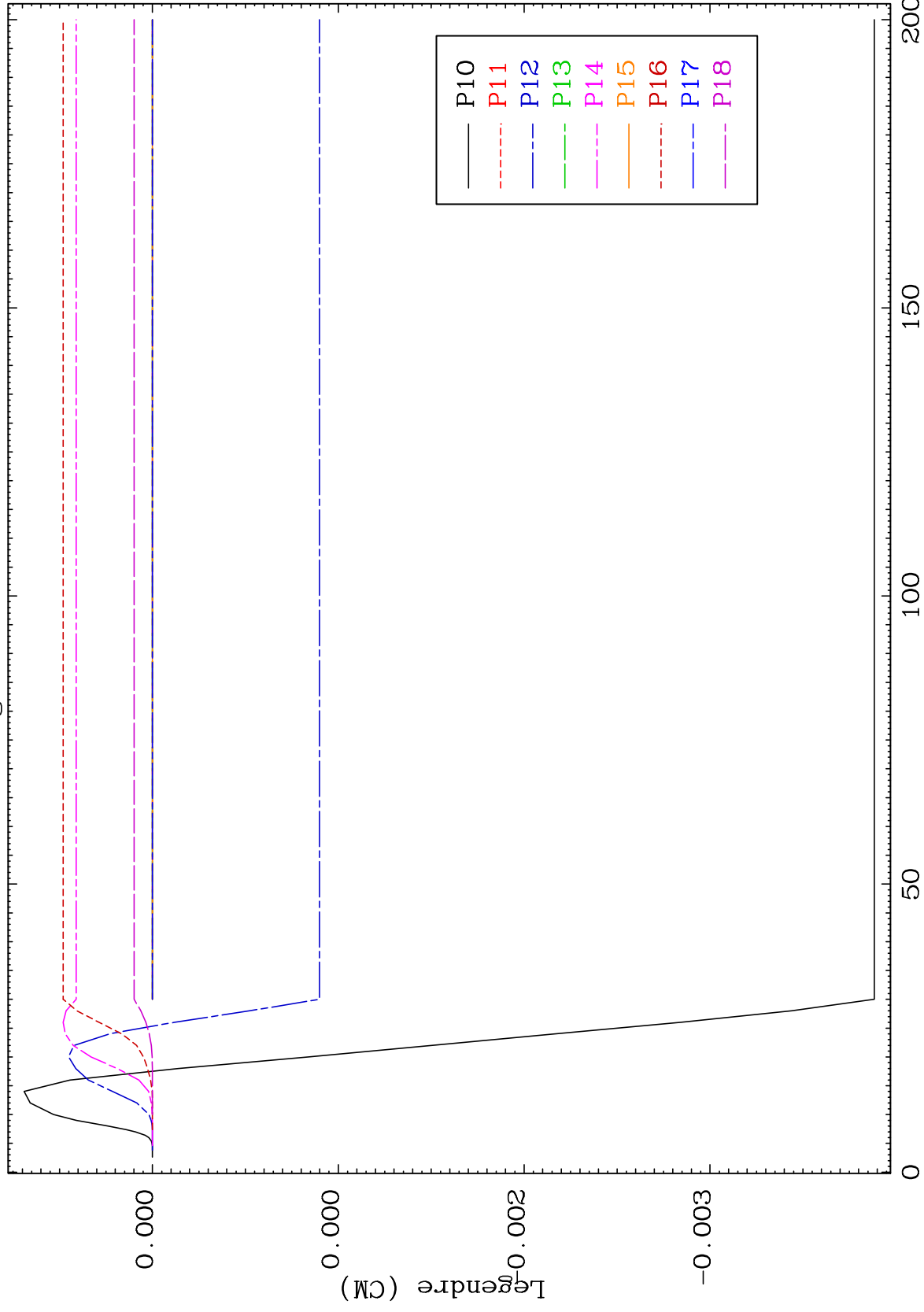




MAT 6231

2.270 MeV (n,n') Level
Legendre Coefficients

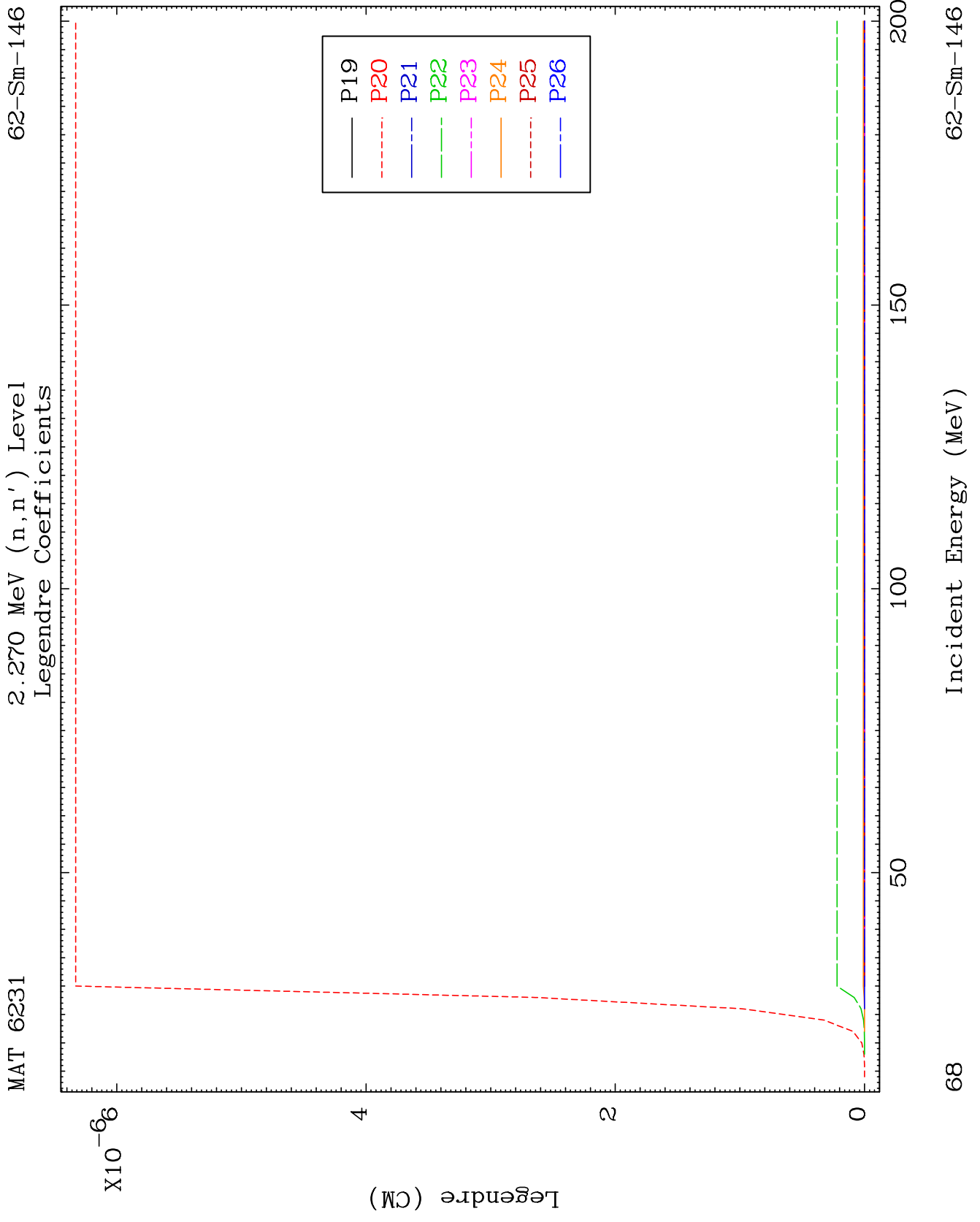
62-Sm-146



67

Incident Energy (MeV)

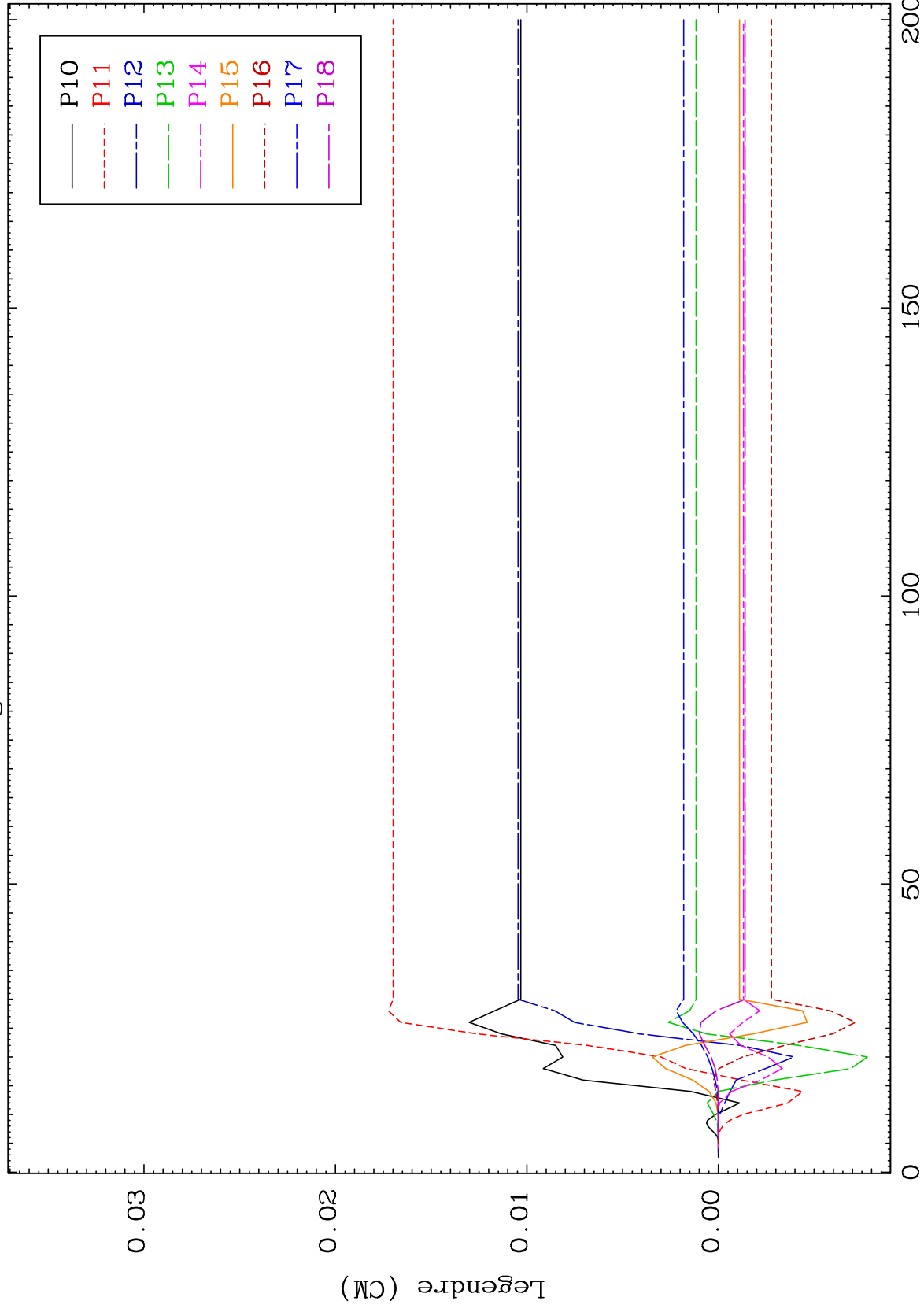
62-Sm-146



MAT 6231

2.281 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



62-Sm-146

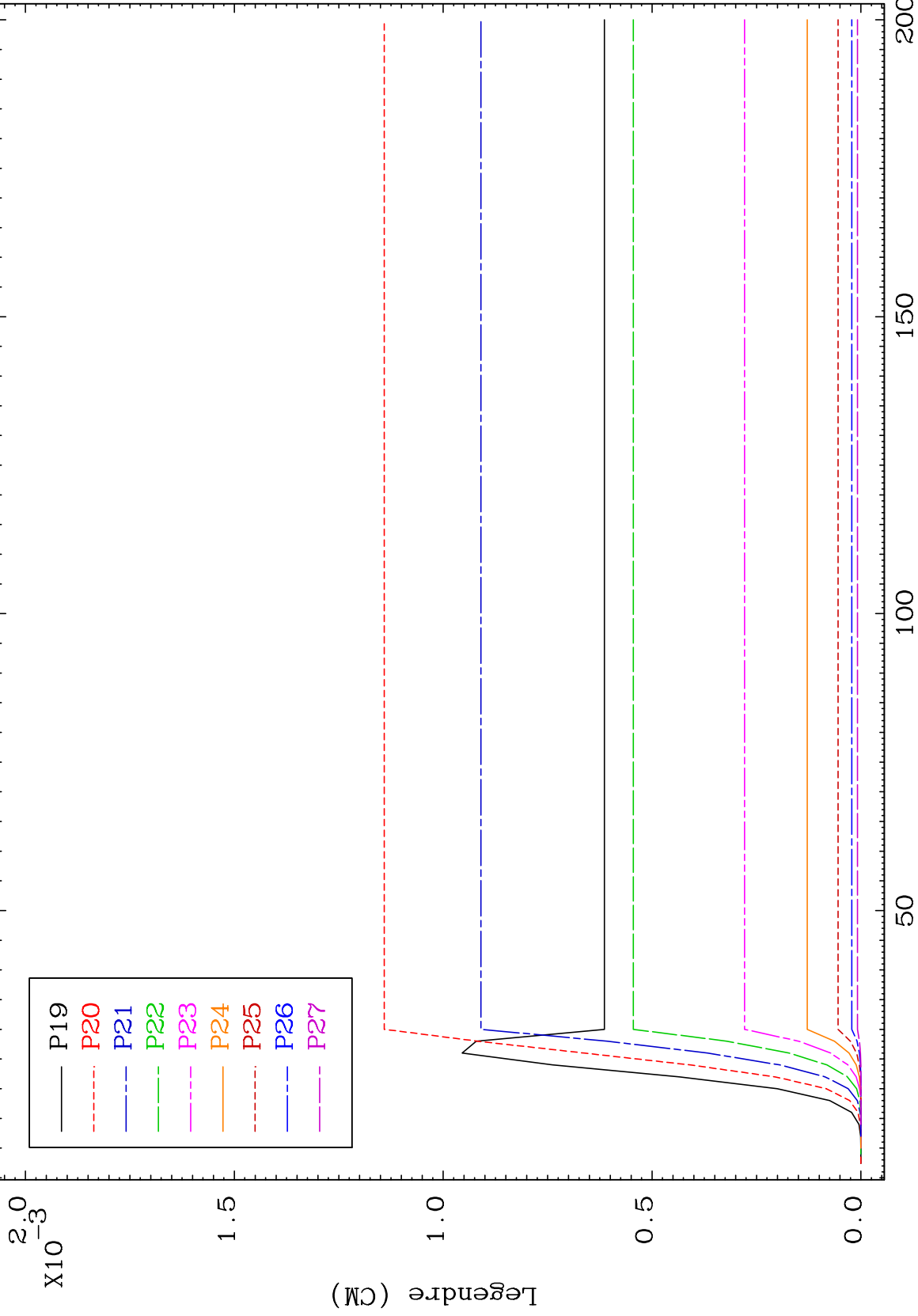
Incident Energy (MeV)

70

MAT 6231

2.281 MeV (n, n') Level
Legendre Coefficients

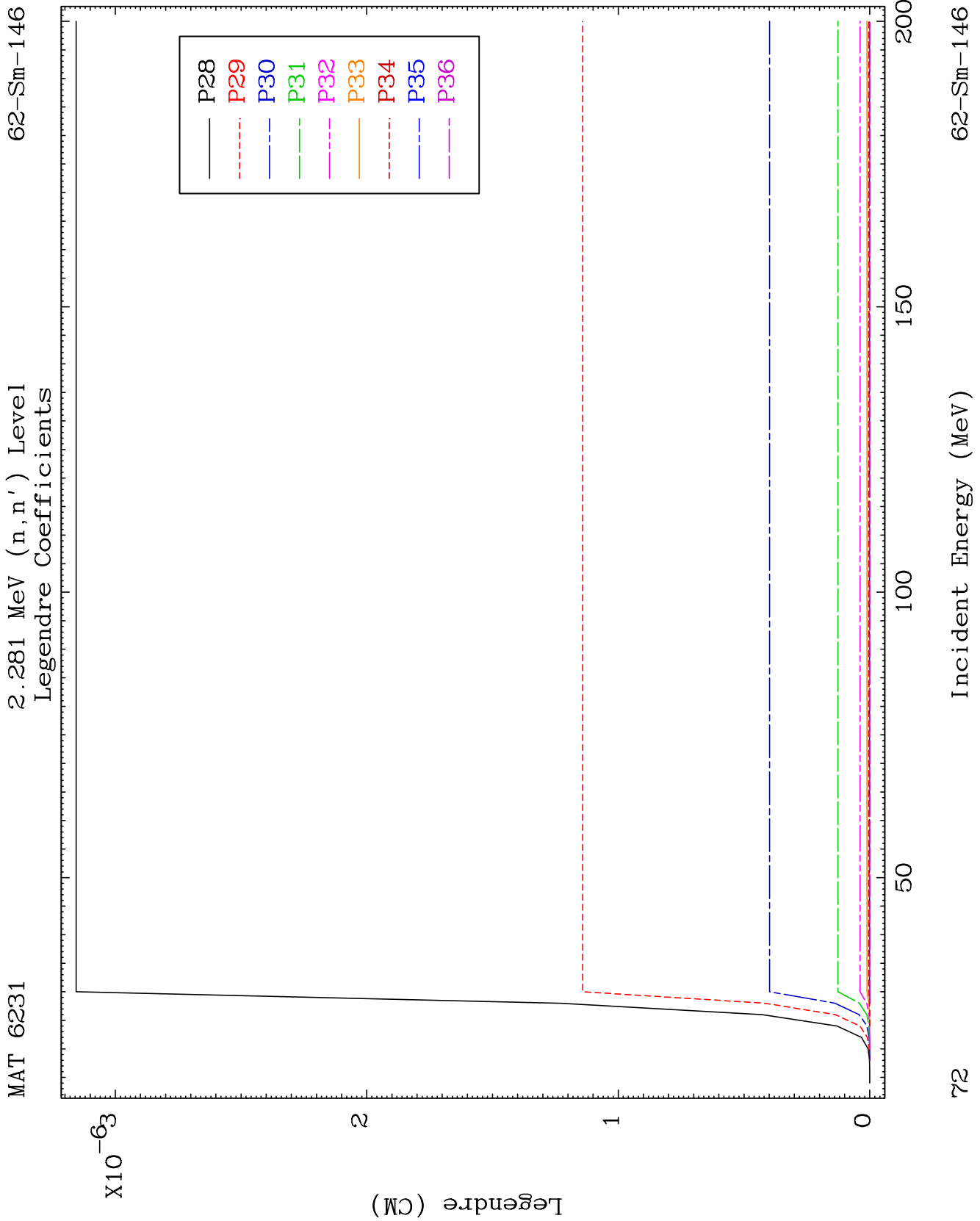
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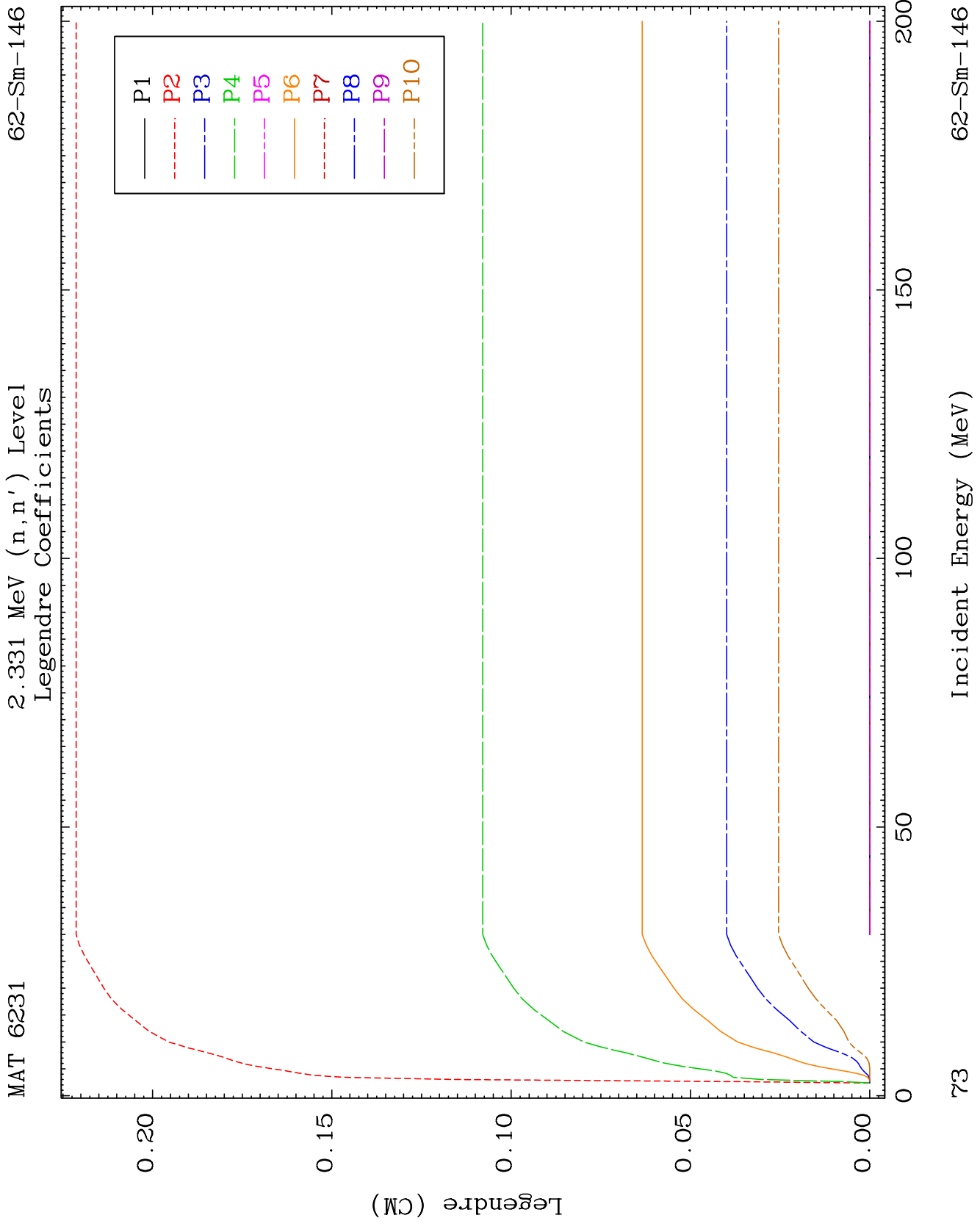


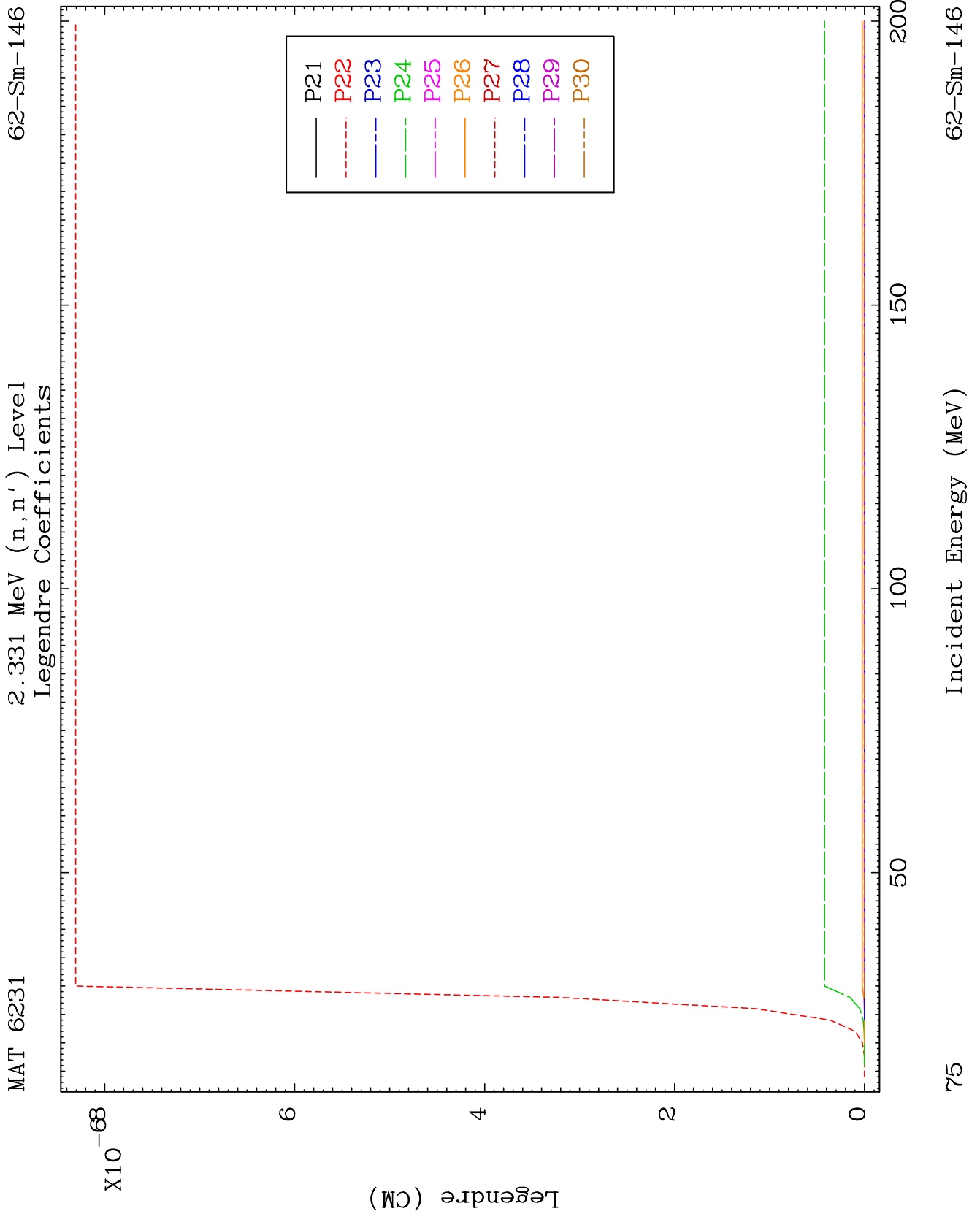
71

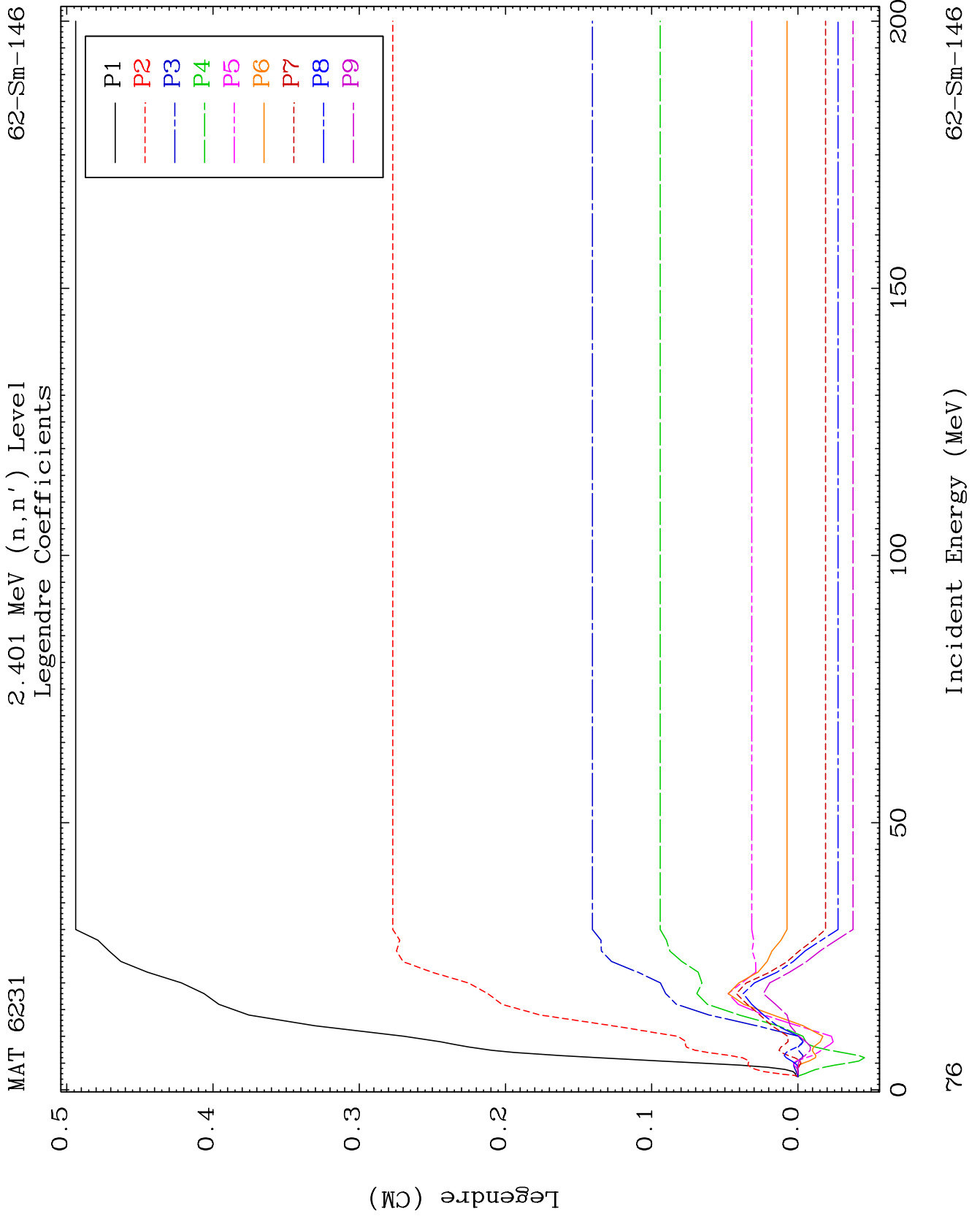
Incident Energy (MeV)

62-Sm-146





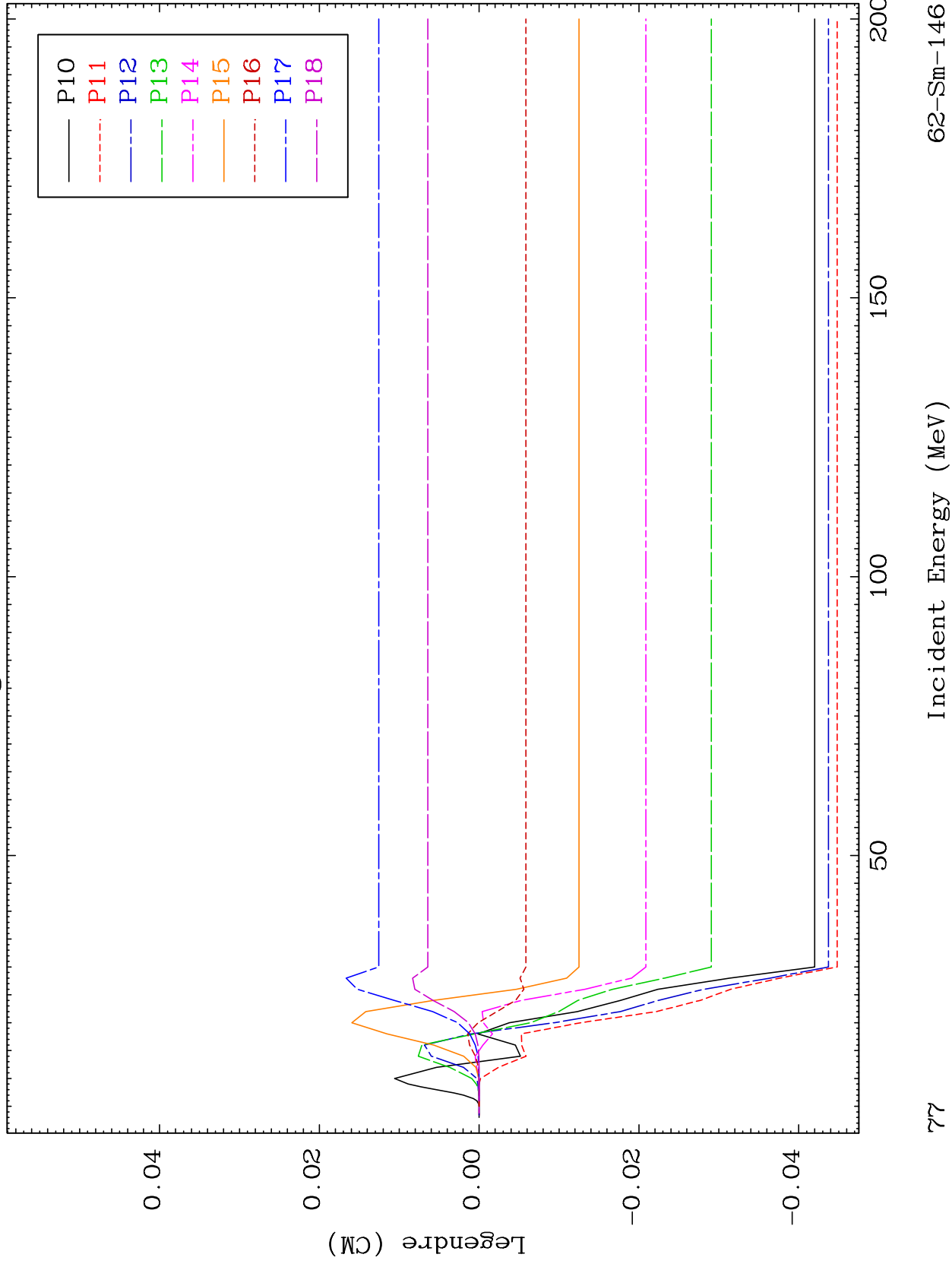




MAT 6231

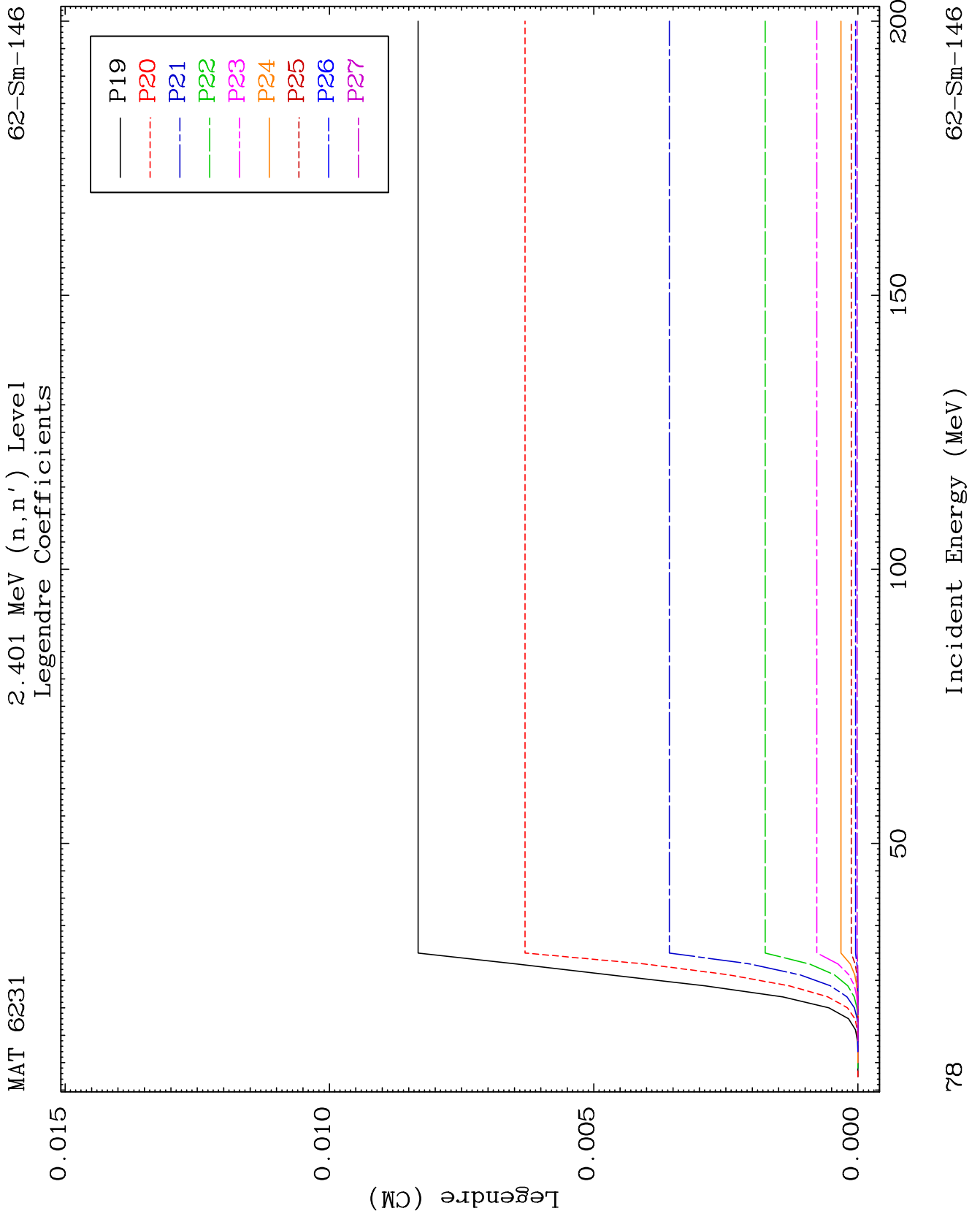
2.401 MeV (n,n') Level
Legendre Coefficients

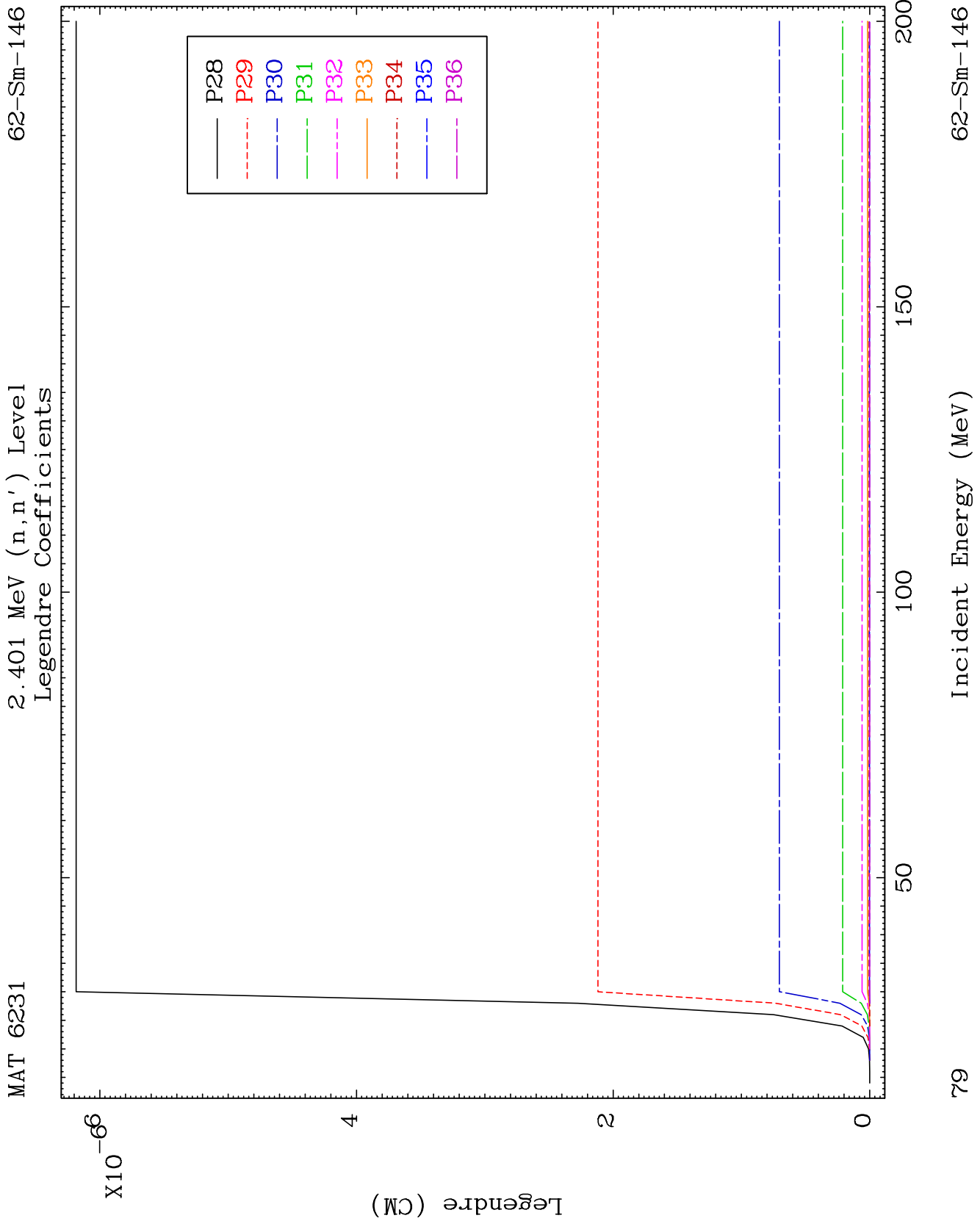
62-Sm-146



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62-Sm-146

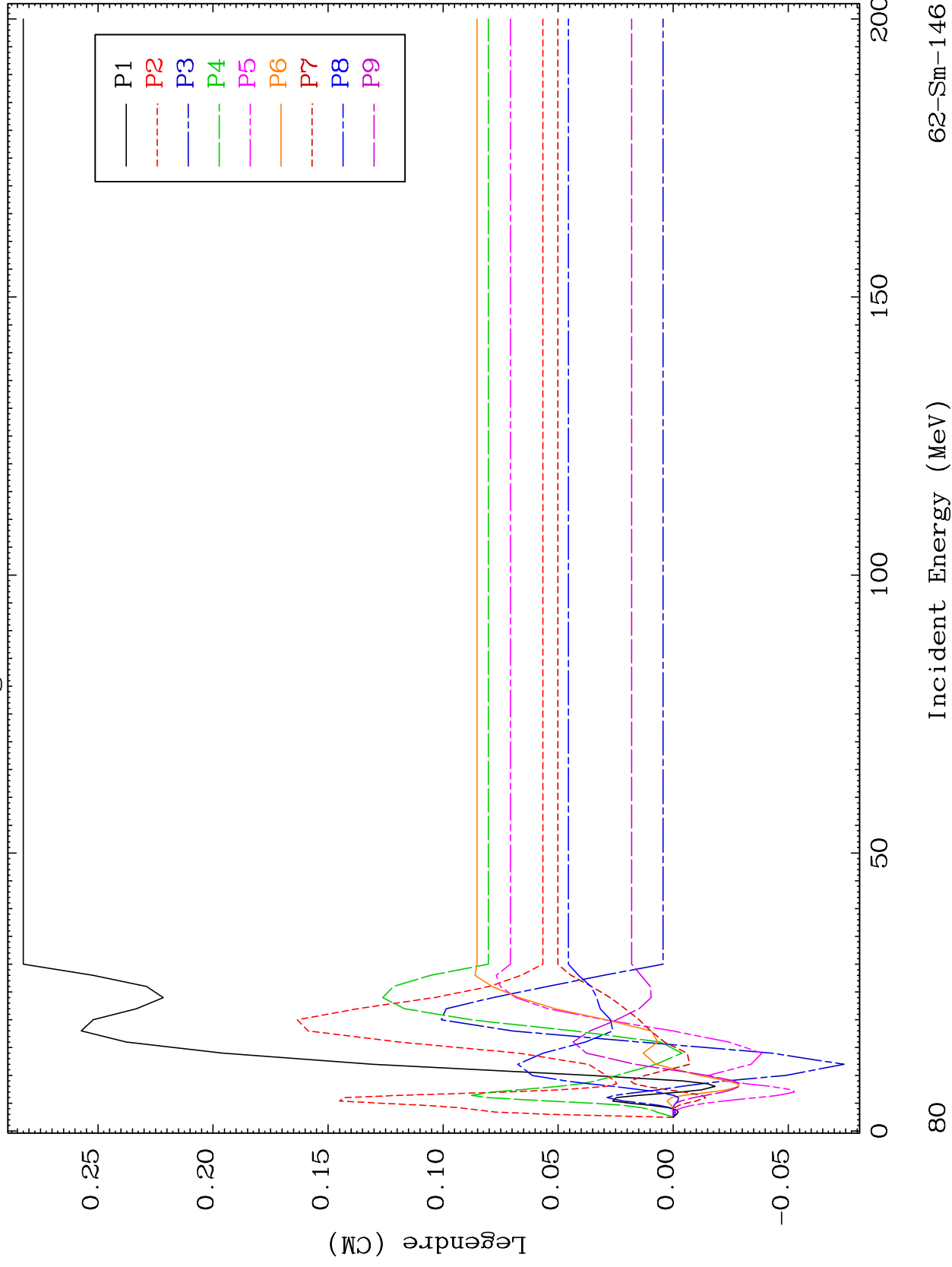




MAT 6231

2.409 MeV (n, n') Level
Legendre Coefficients

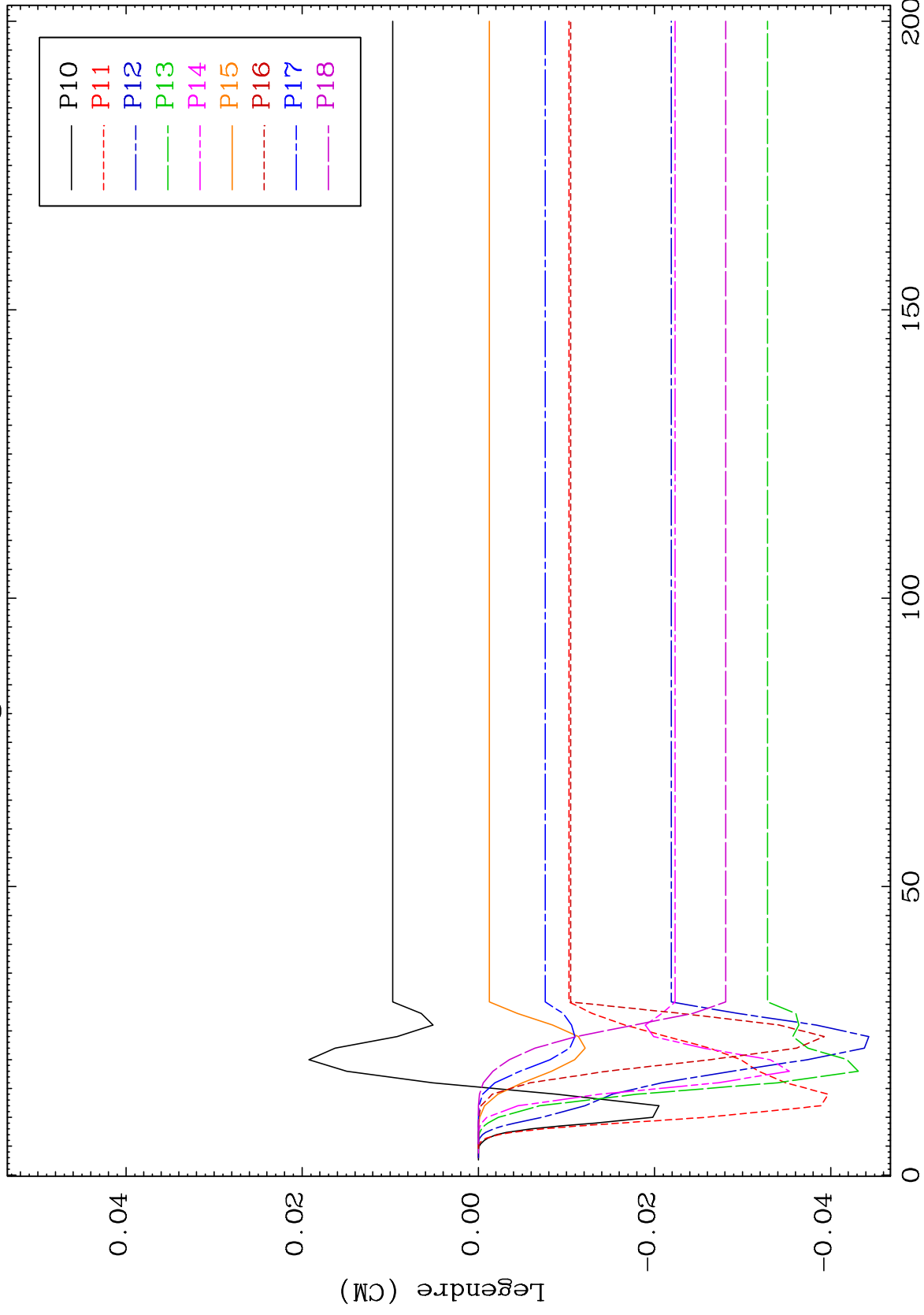
62-Sm-146



MAT 6231

2.409 MeV (n,n') Level
Legendre Coefficients

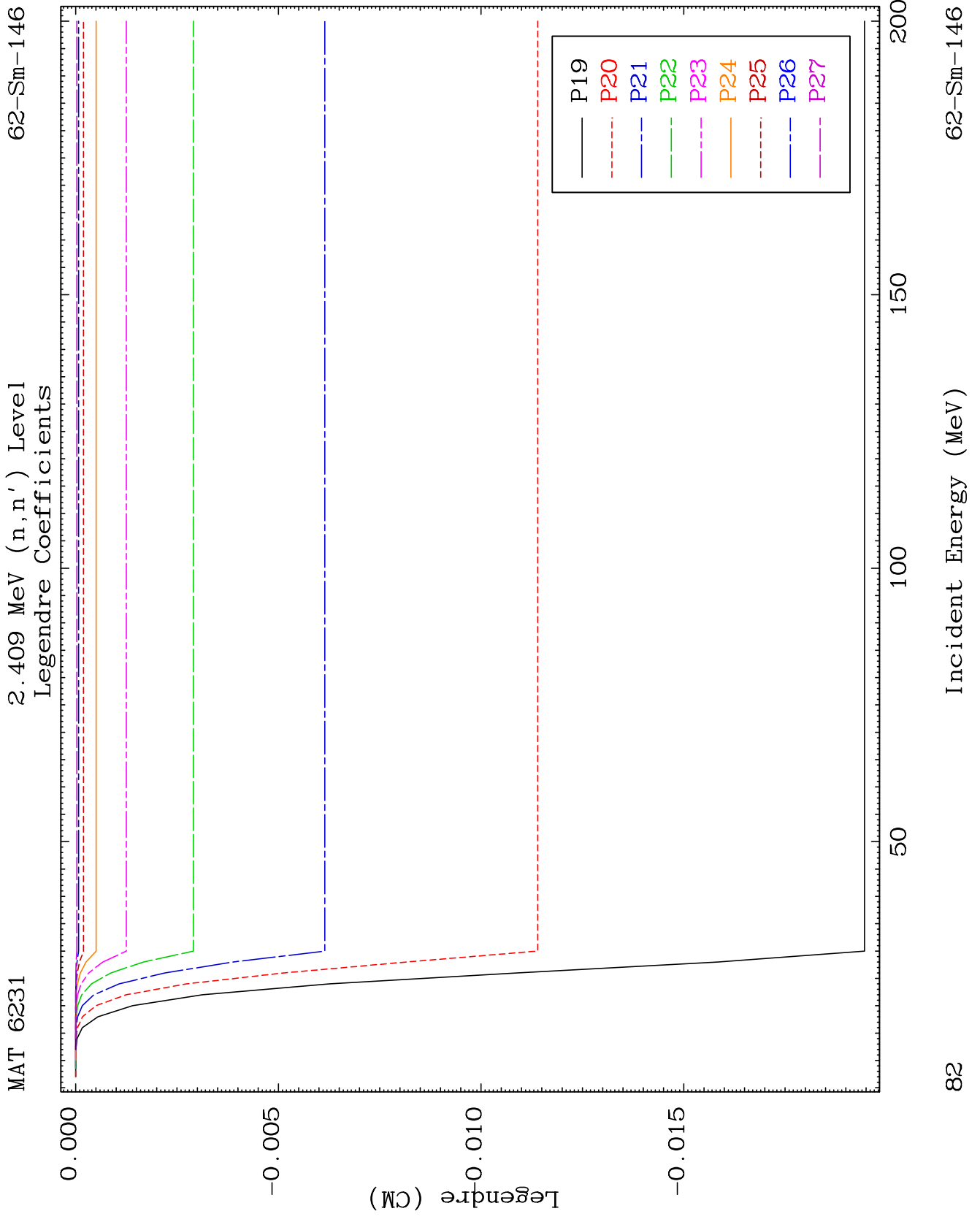
62-Sm-146

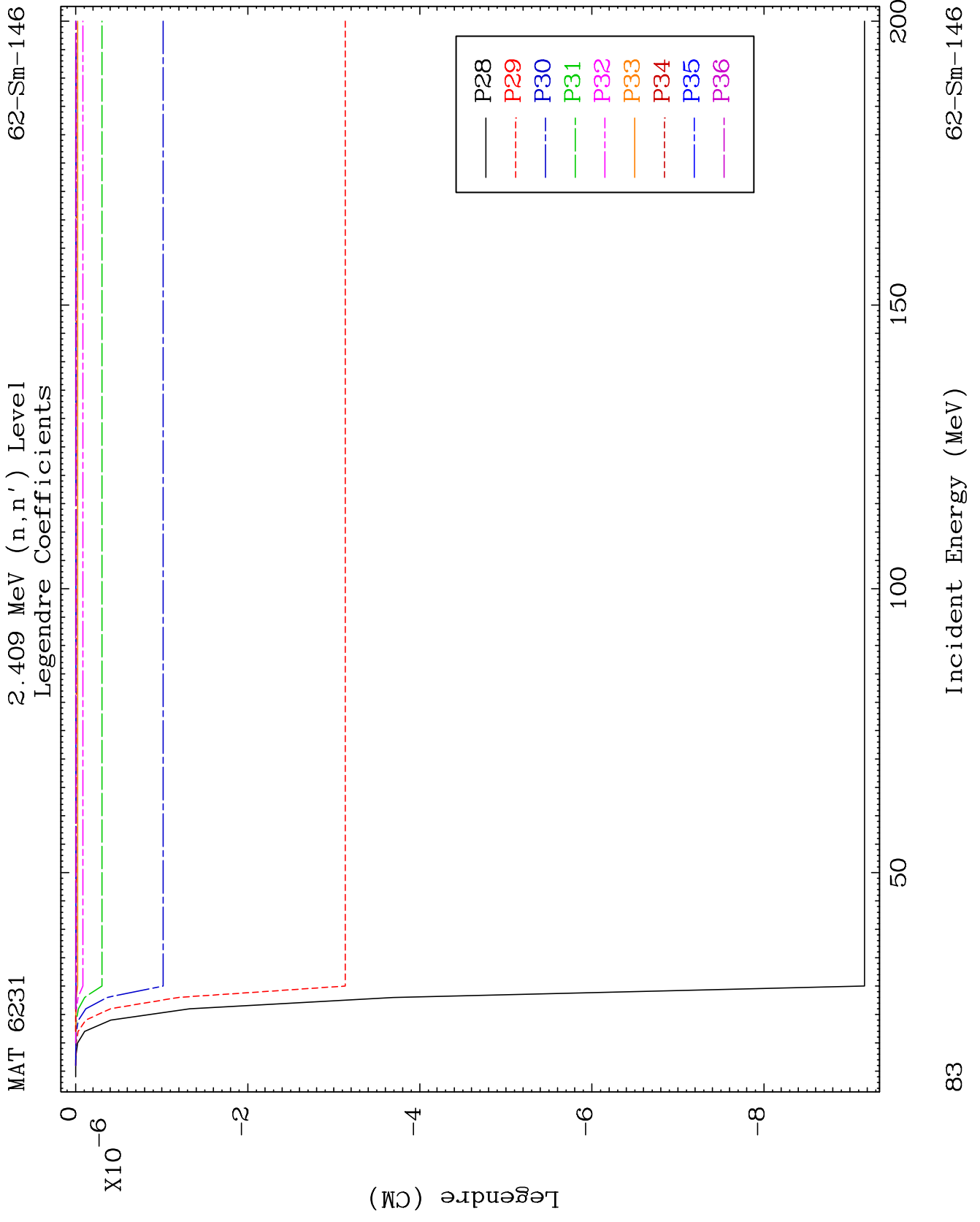


81

Incident Energy (MeV)

62-Sm-146

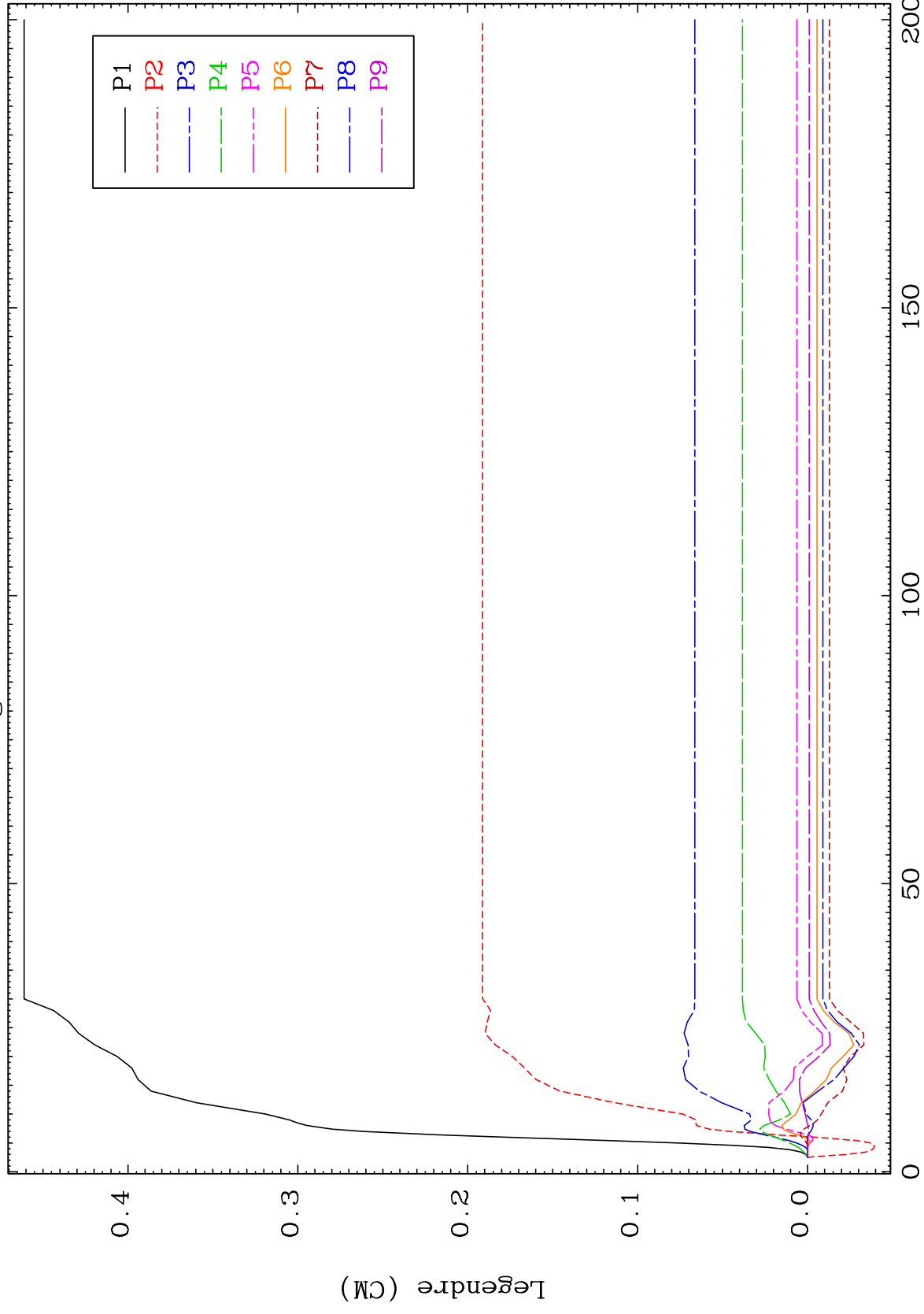




MAT 6231

2.439 MeV (n,n') Level
Legendre Coefficients

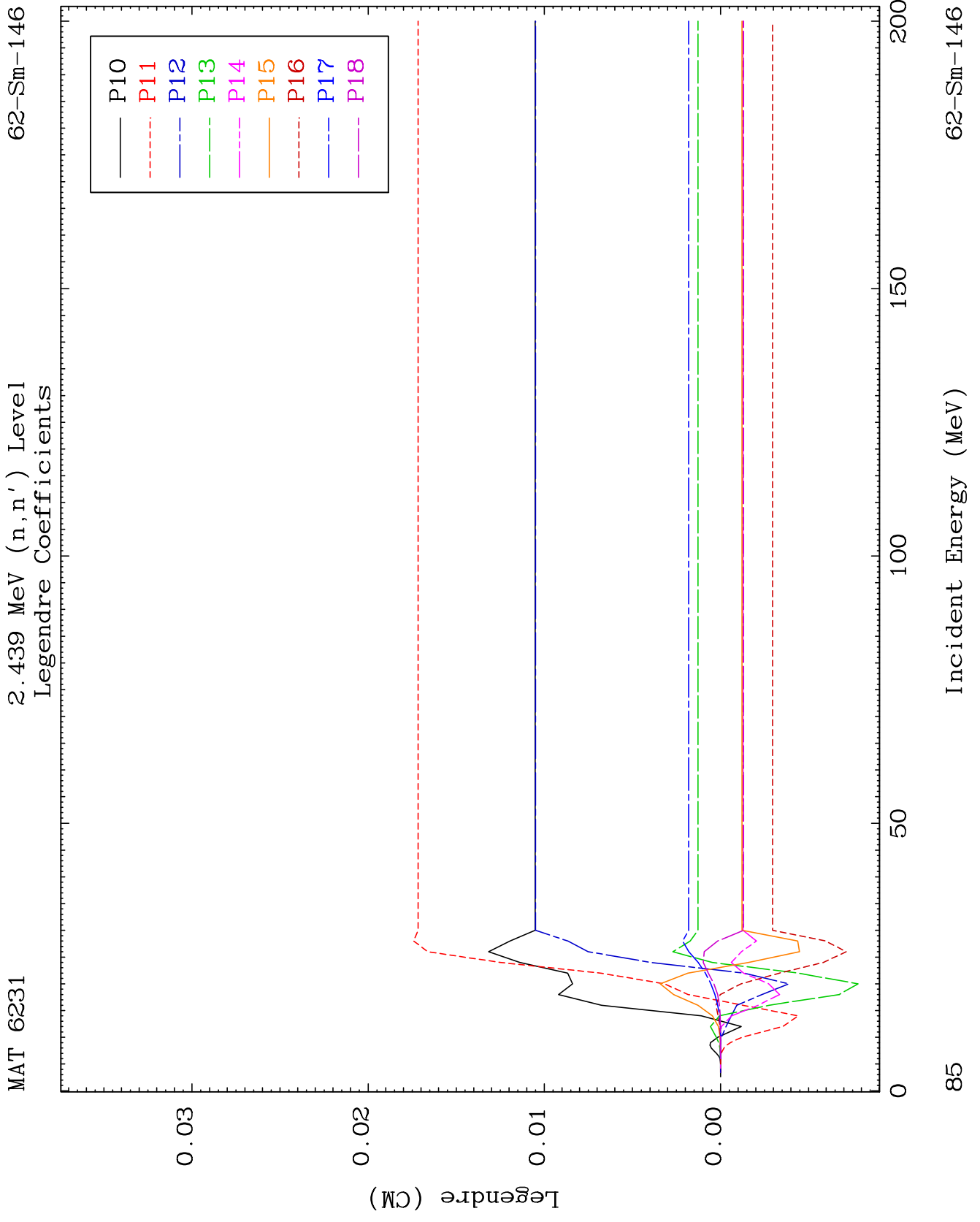
62-Sm-146

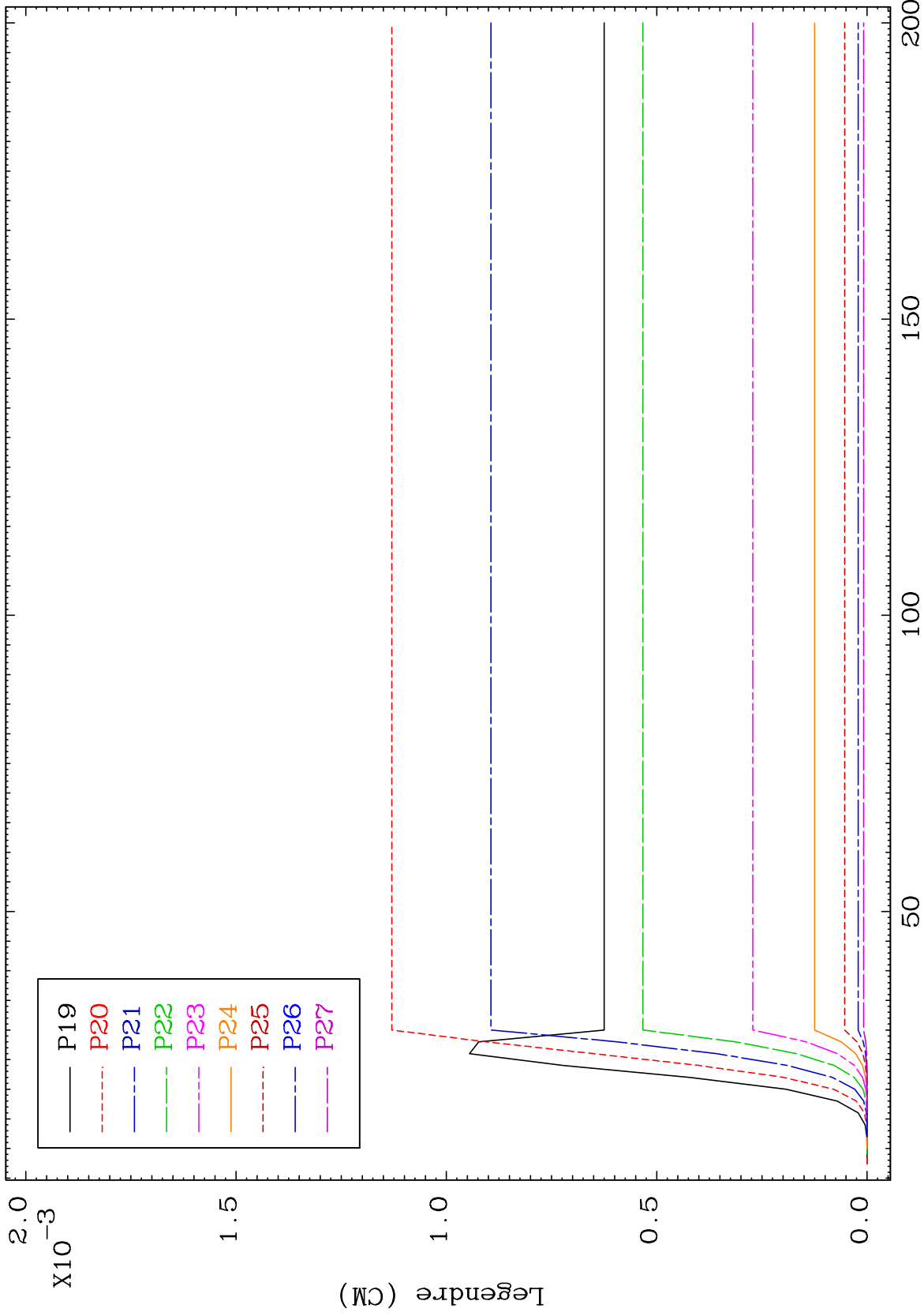


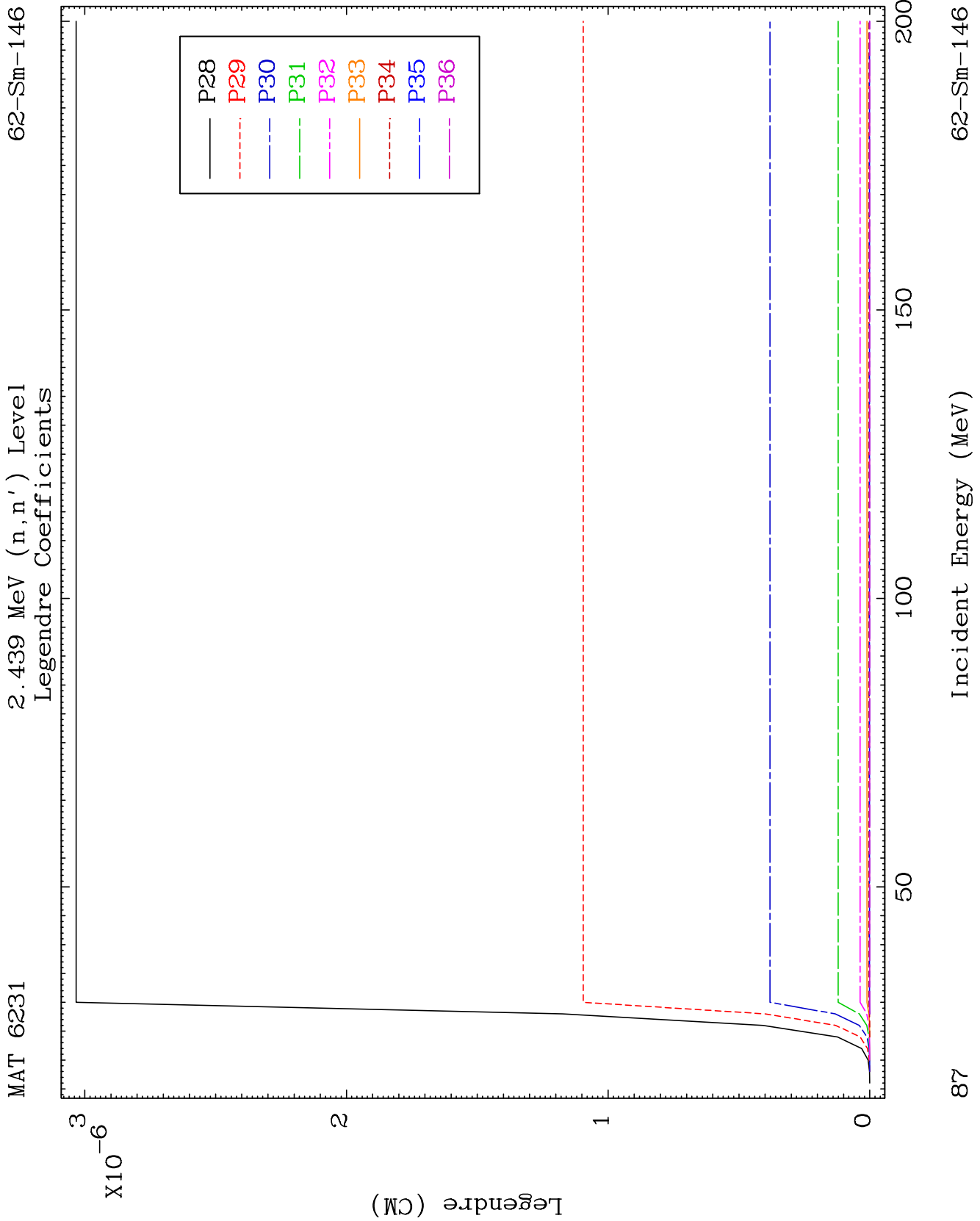
84

Incident Energy (MeV)

62-Sm-146



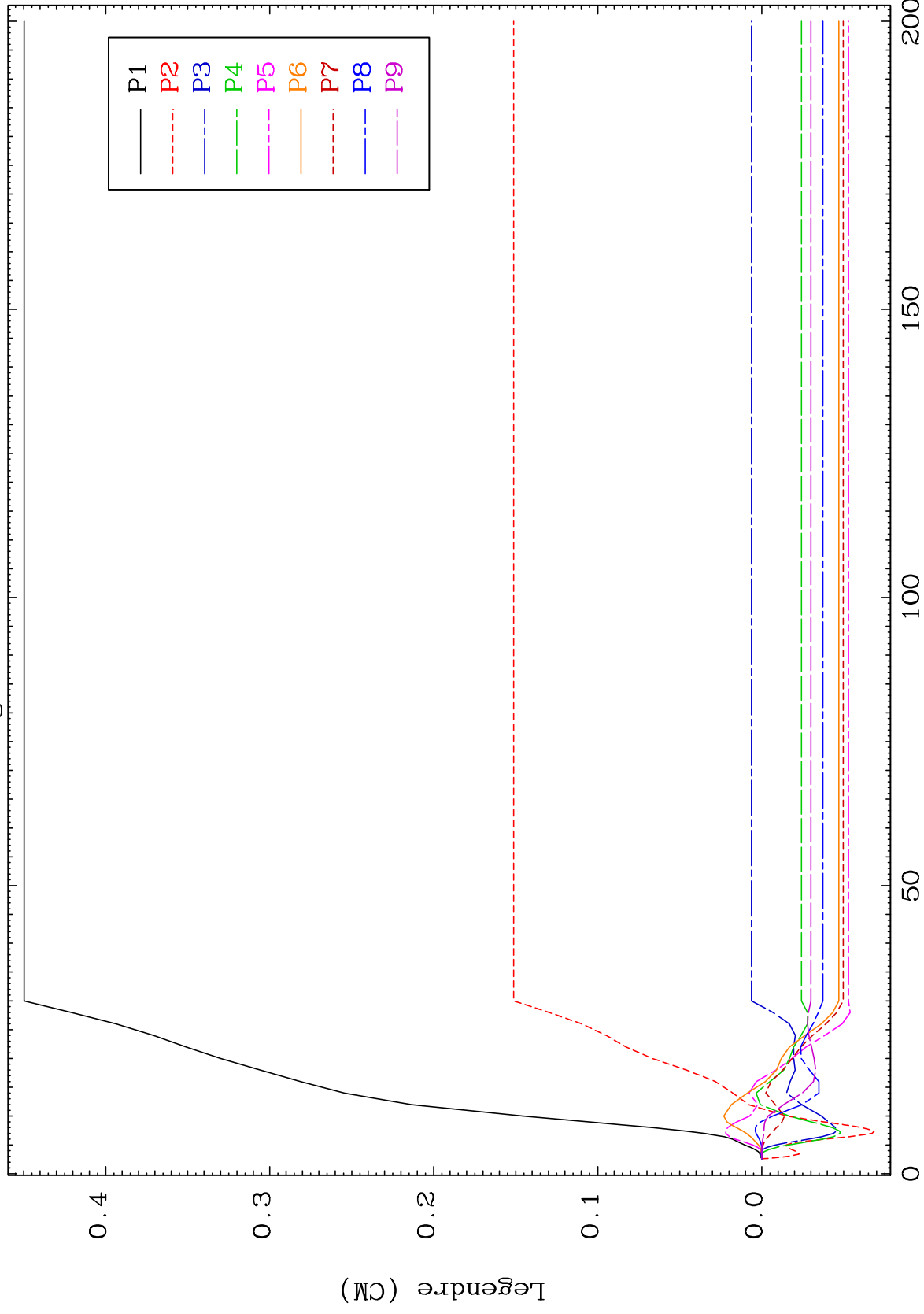




MAT 6231

2.513 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



88

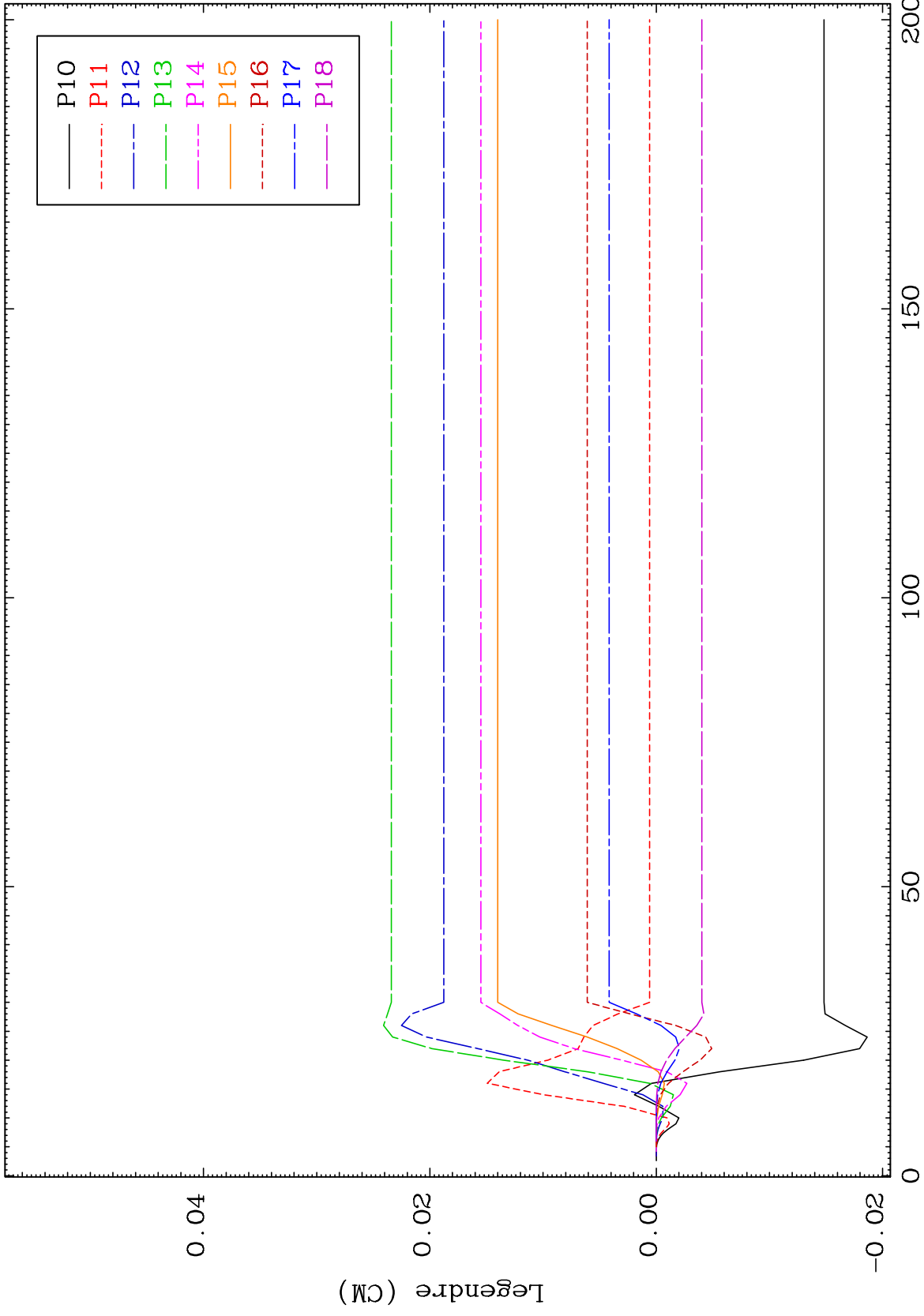
Incident Energy (MeV)

62-Sm-146

MAT 6231

2.513 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



89

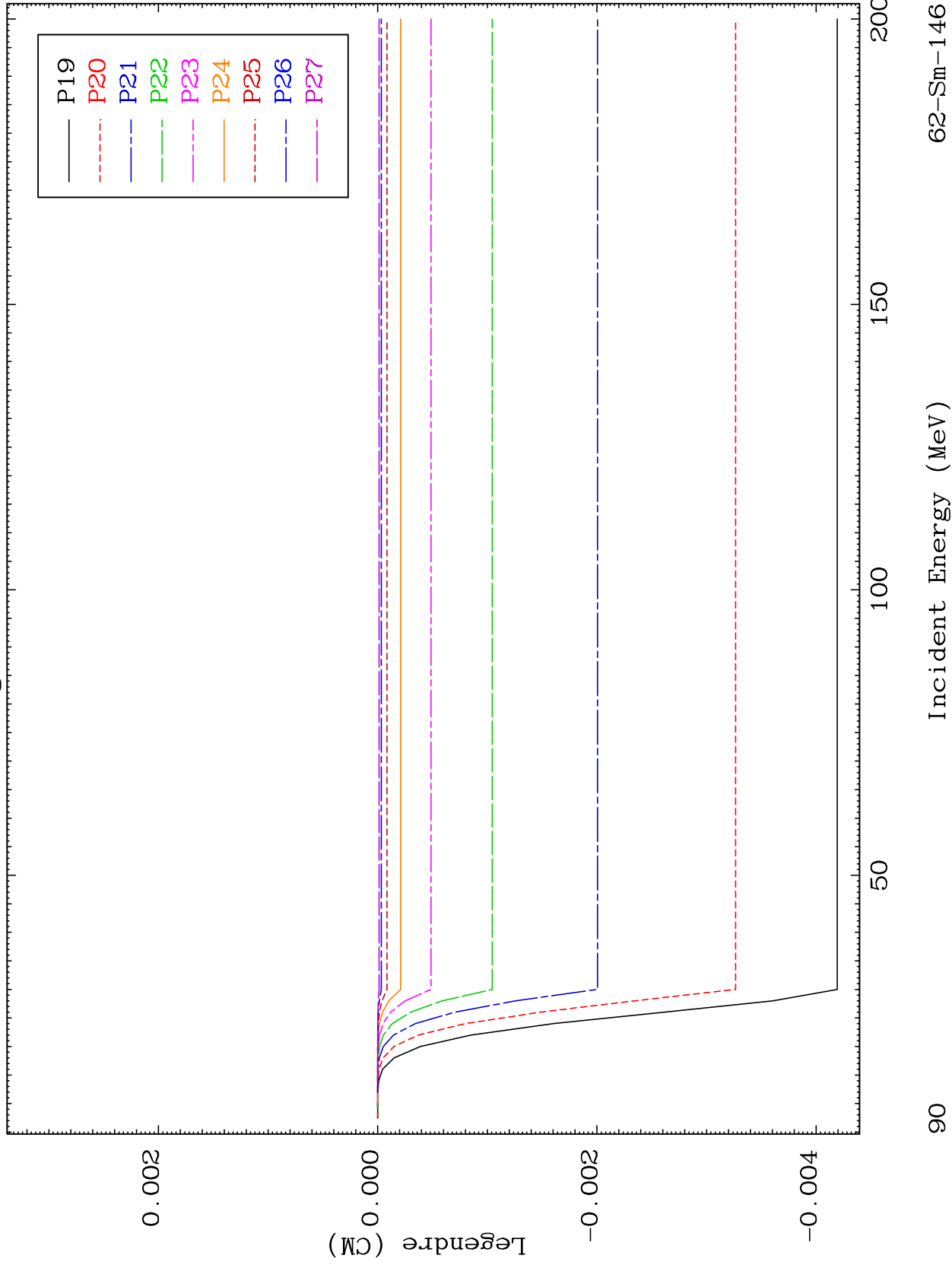
Incident Energy (MeV)

62-Sm-146

MAT 6231

2.513 MeV (n,n') Level
Legendre Coefficients

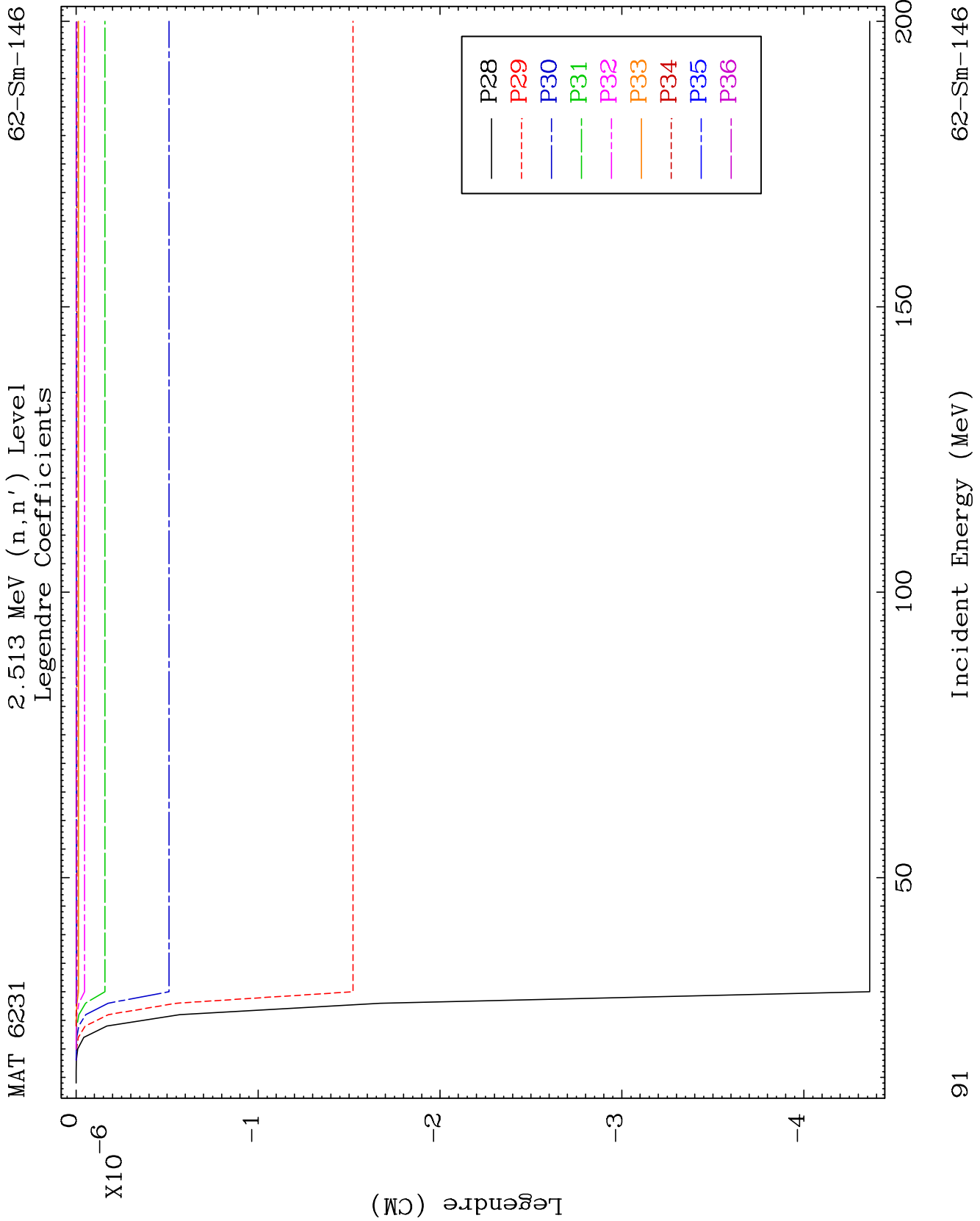
62-Sm-146

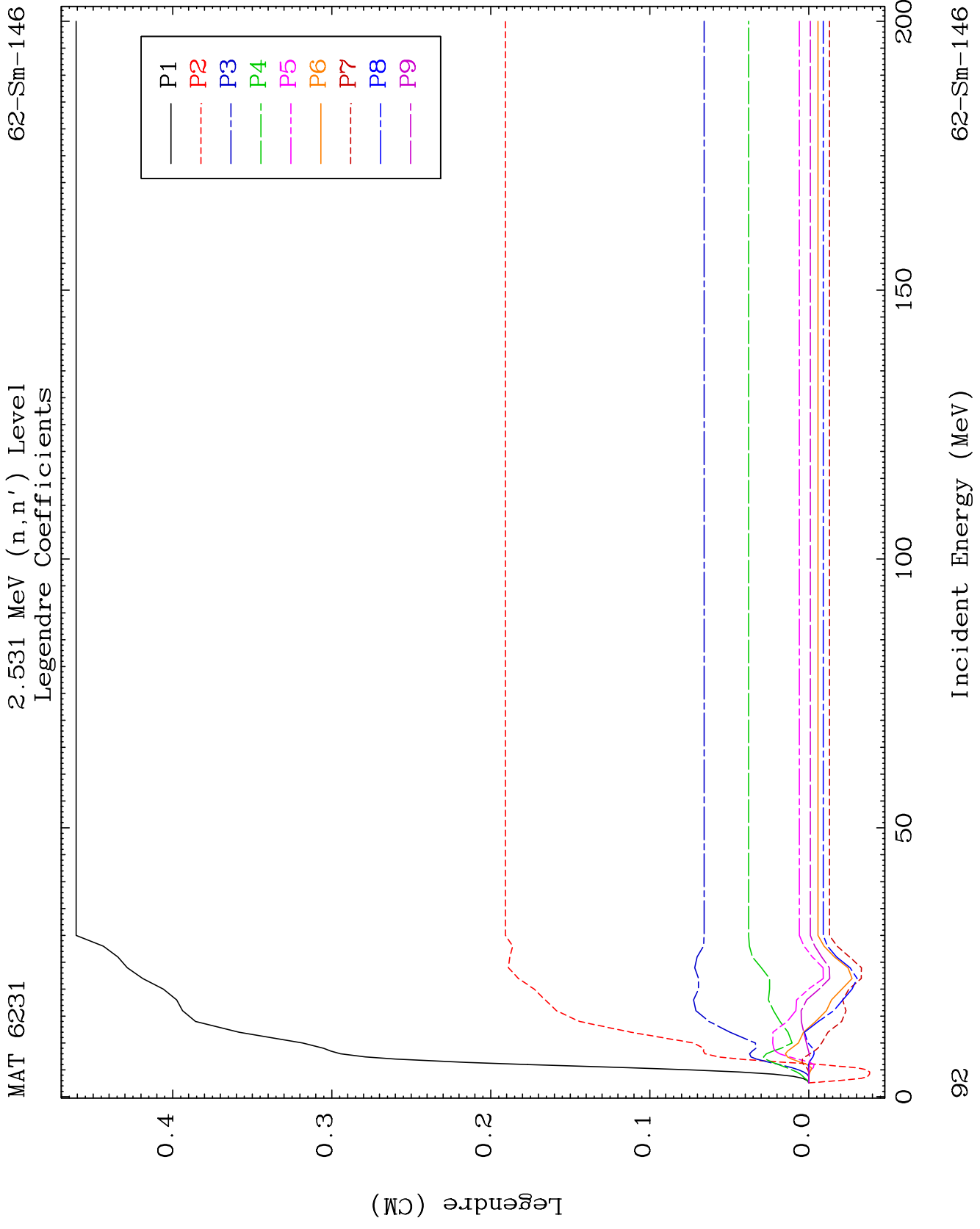


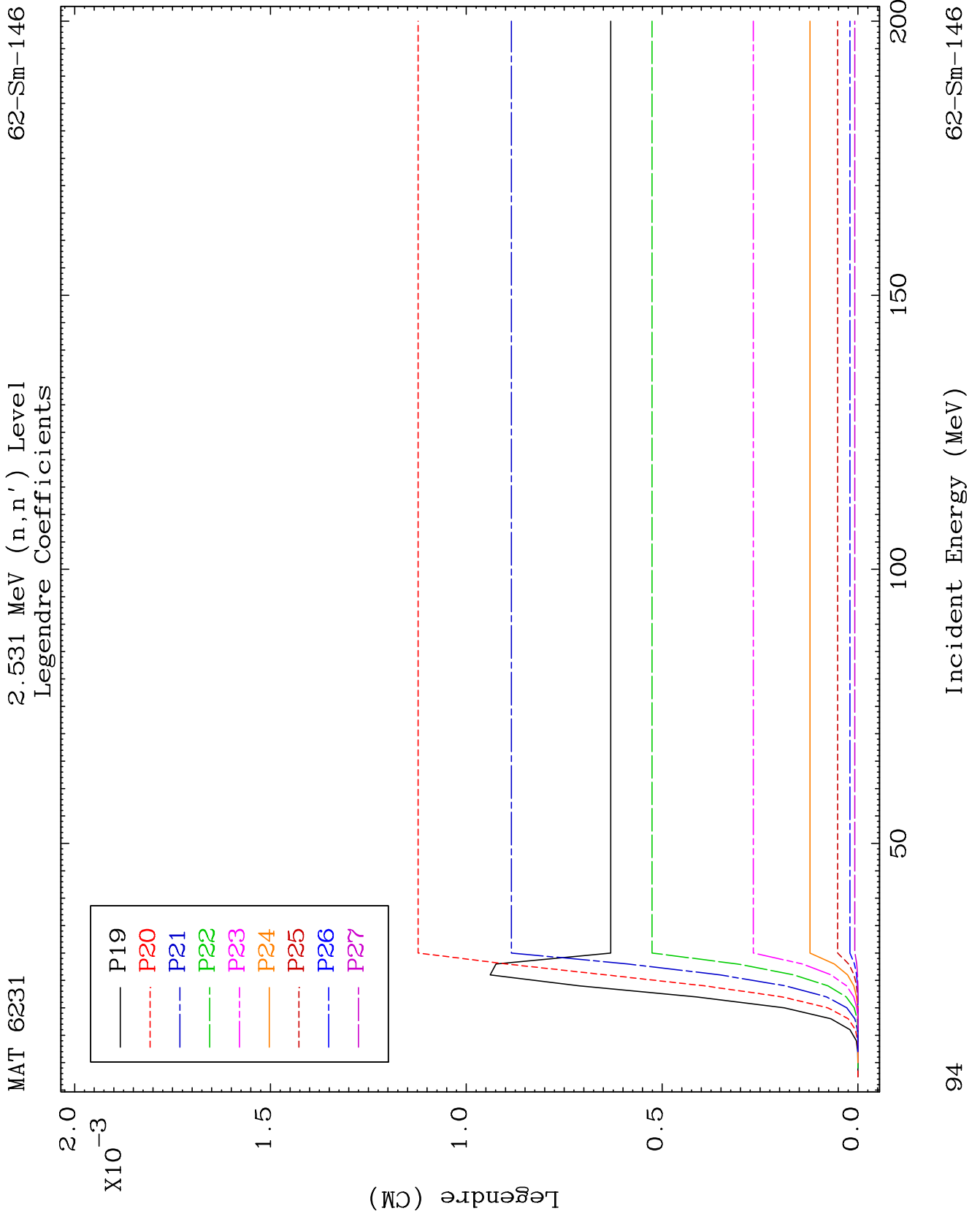
90

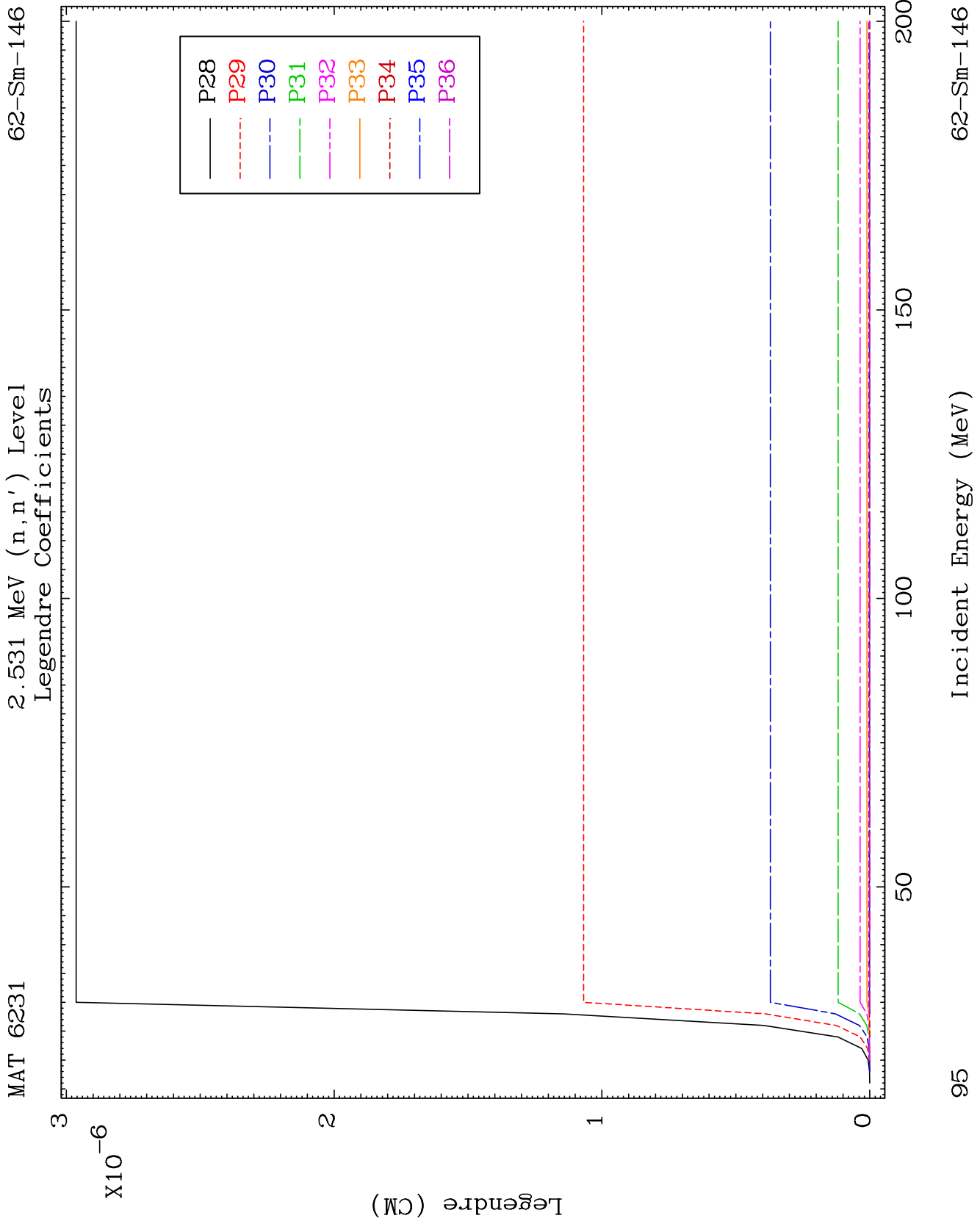
Incident Energy (MeV)

62-Sm-146





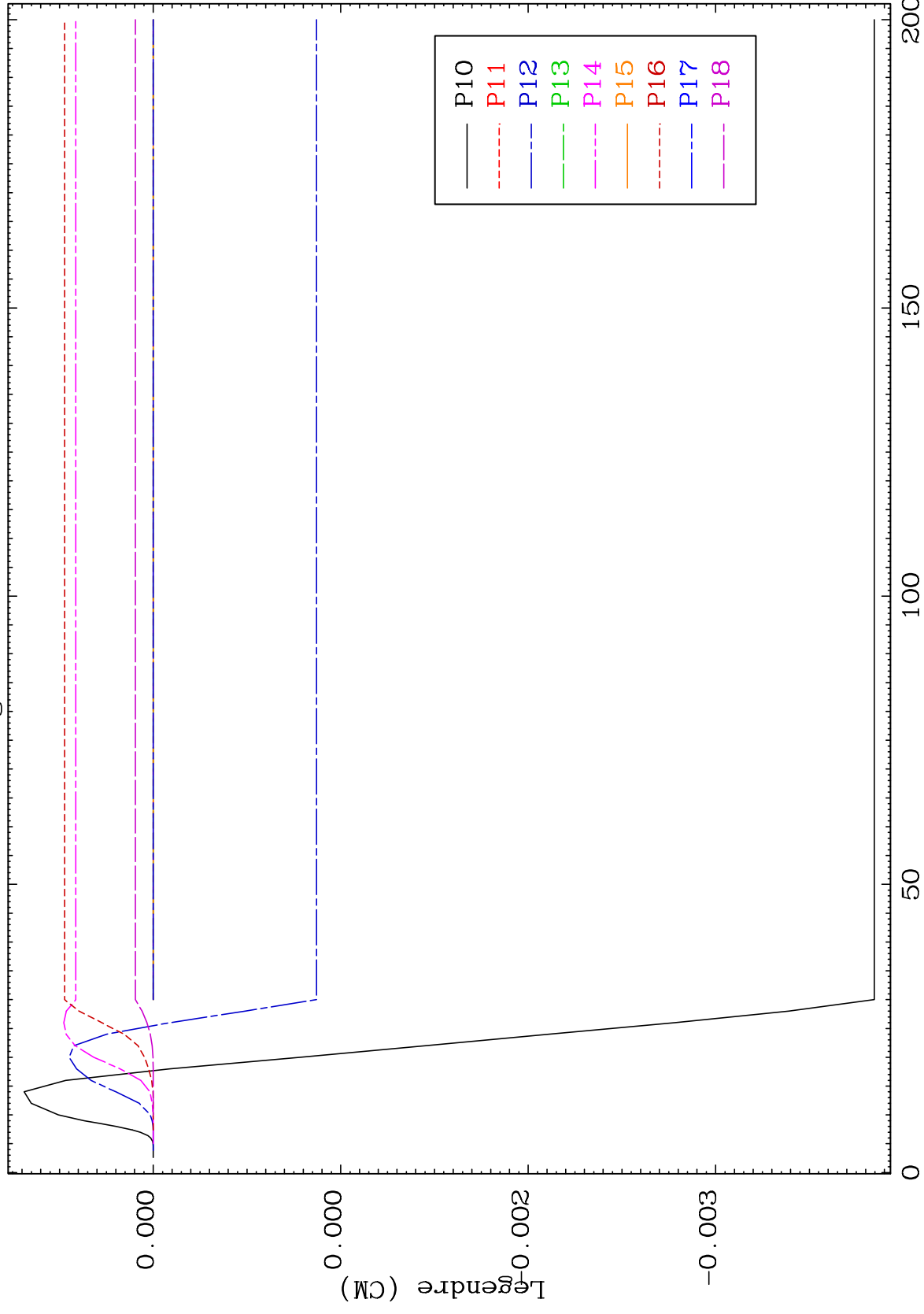




MAT 6231

2.538 MeV (n,n') Level
Legendre Coefficients

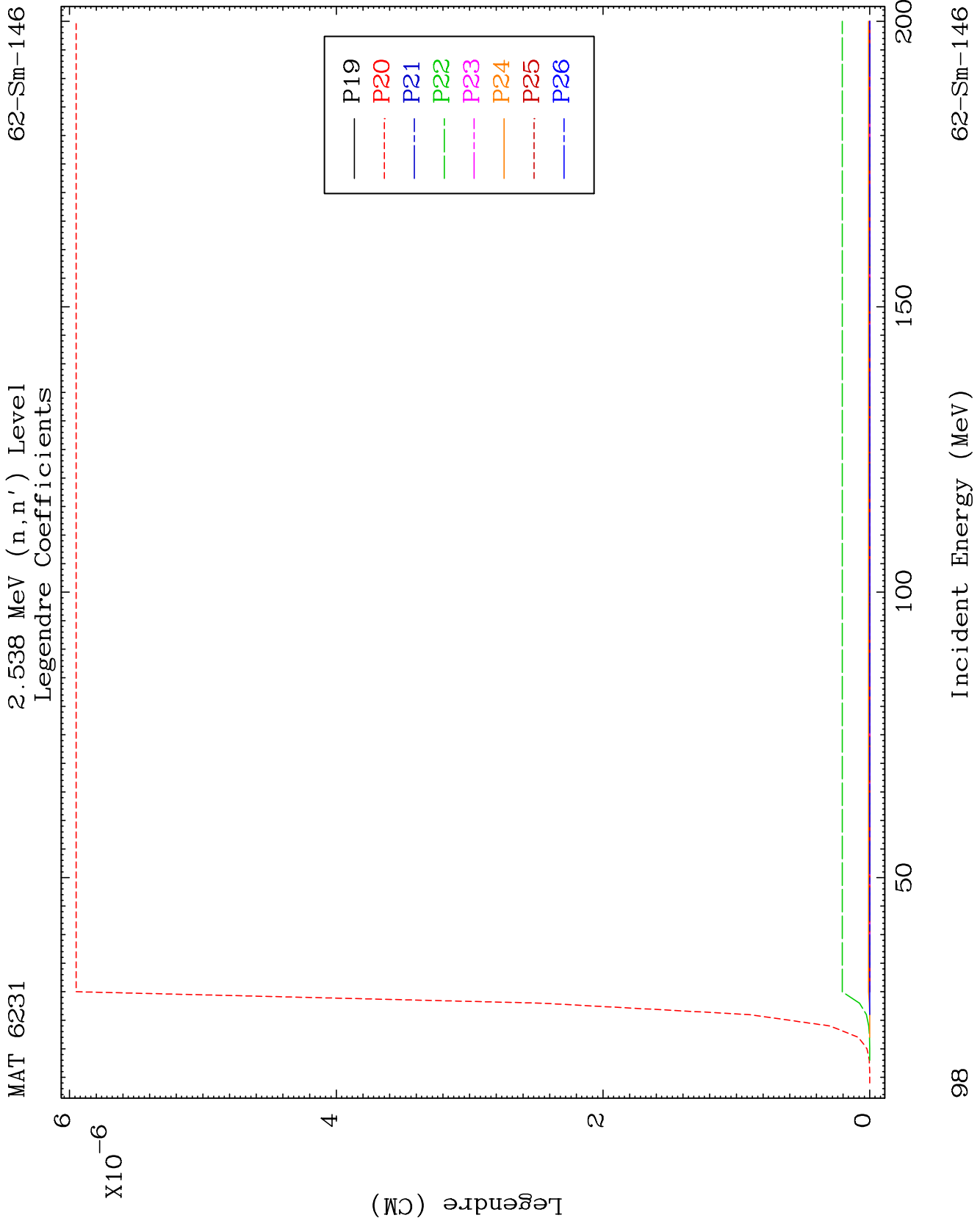
62-Sm-146



97

Incident Energy (MeV)

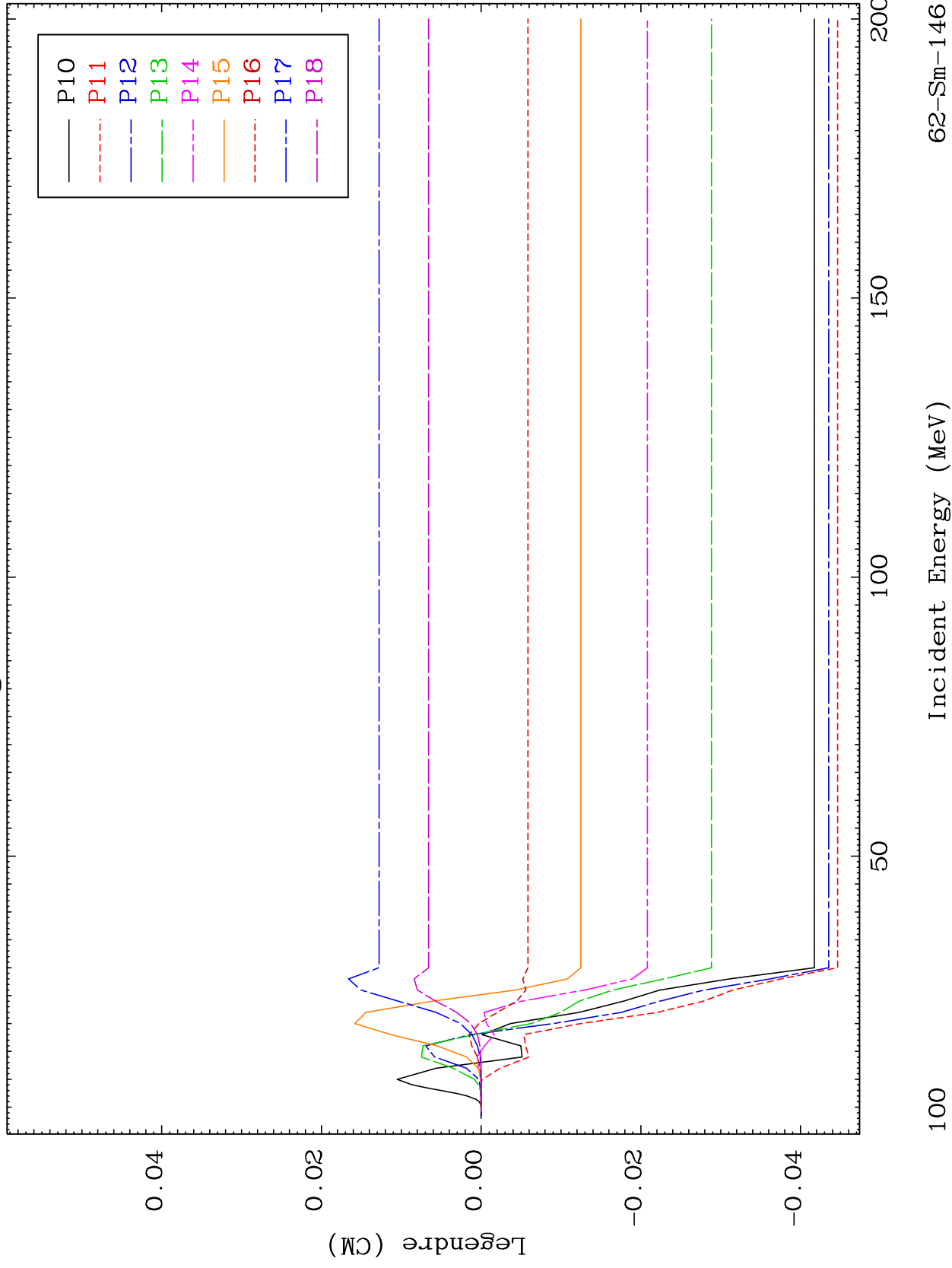
62-Sm-146



MAT 6231

2.544 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



62-Sm-146

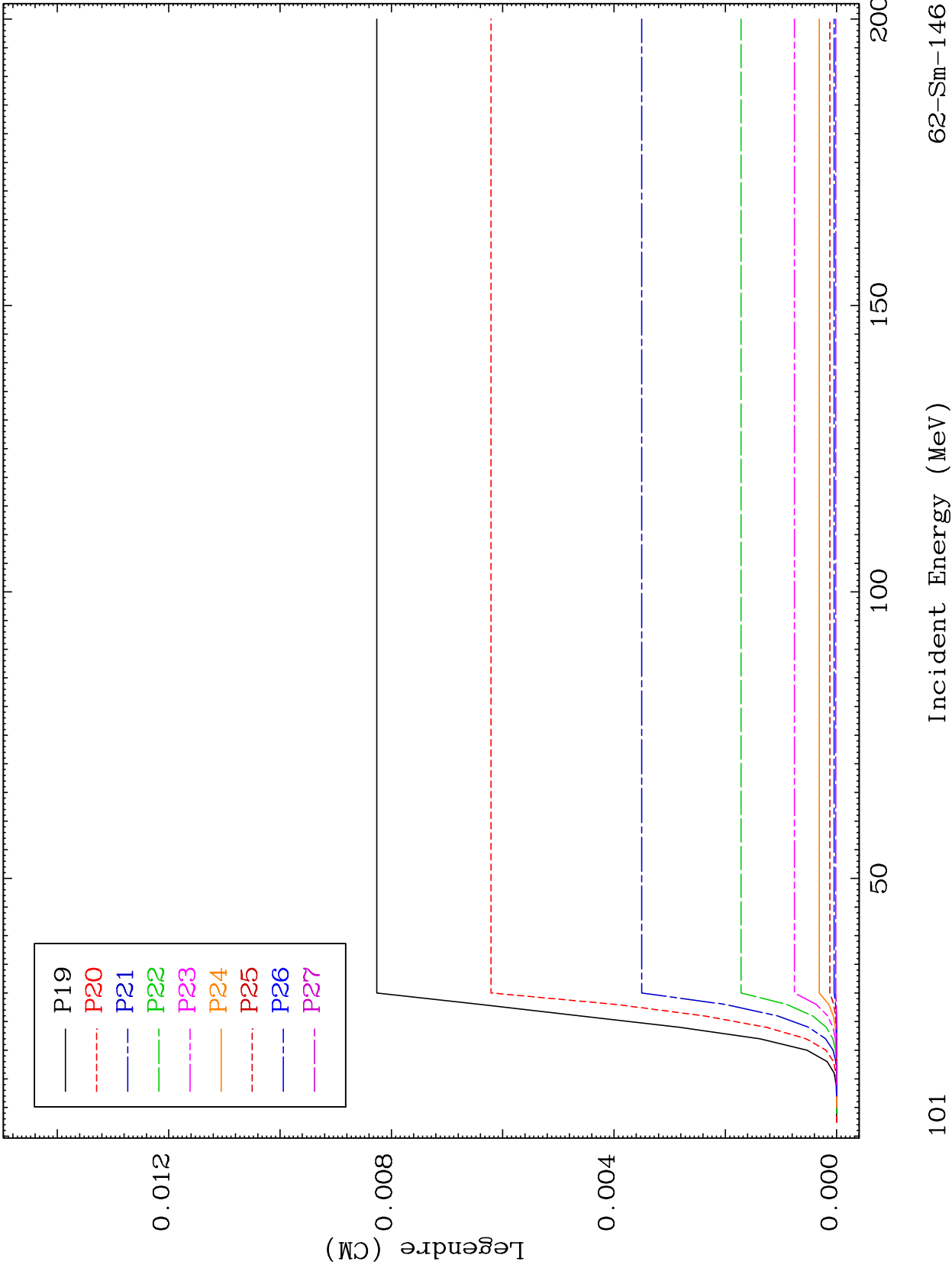
Incident Energy (MeV)

100

MAT 6231

2.544 MeV (n,n') Level
Legendre Coefficients

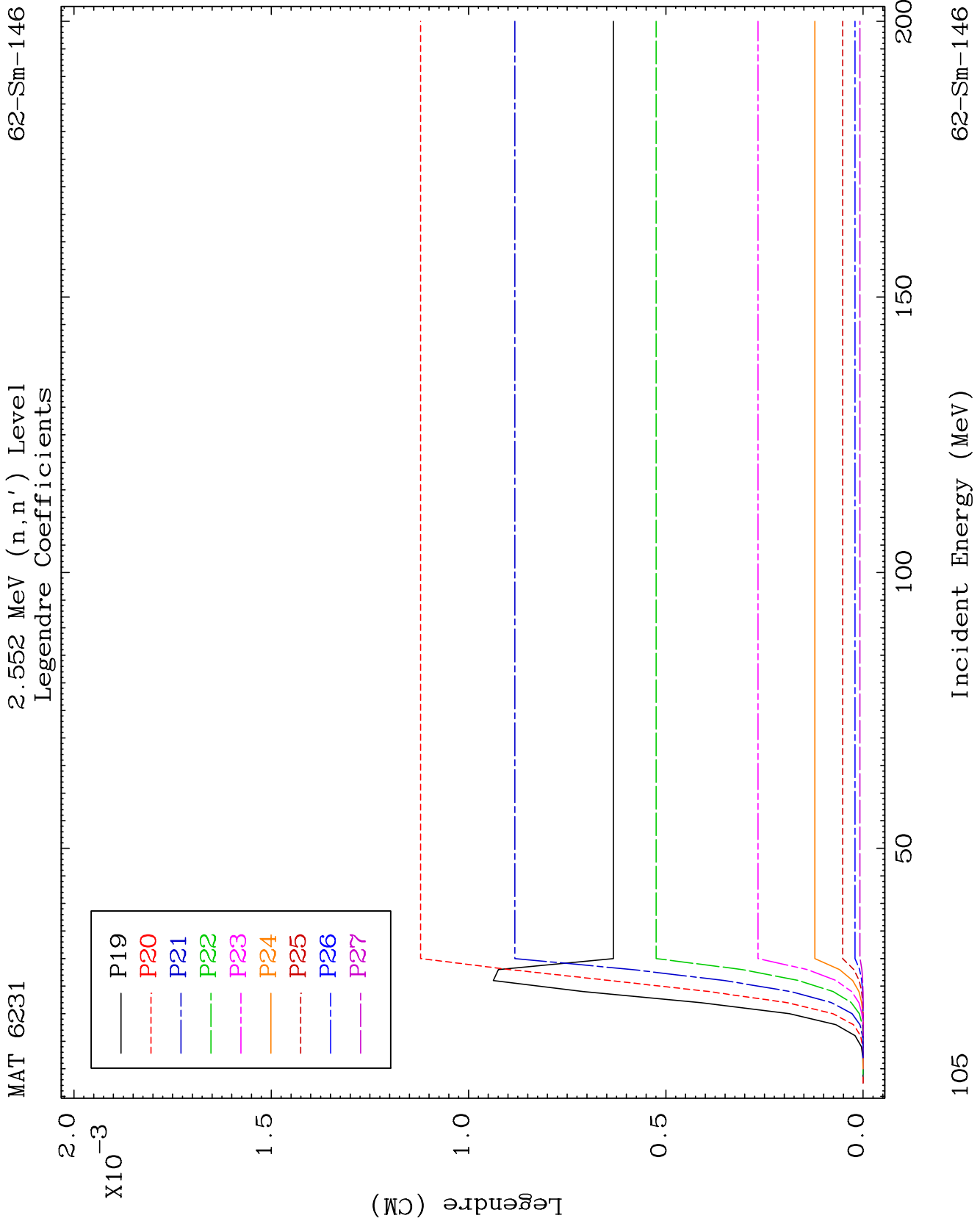
62-Sm-146

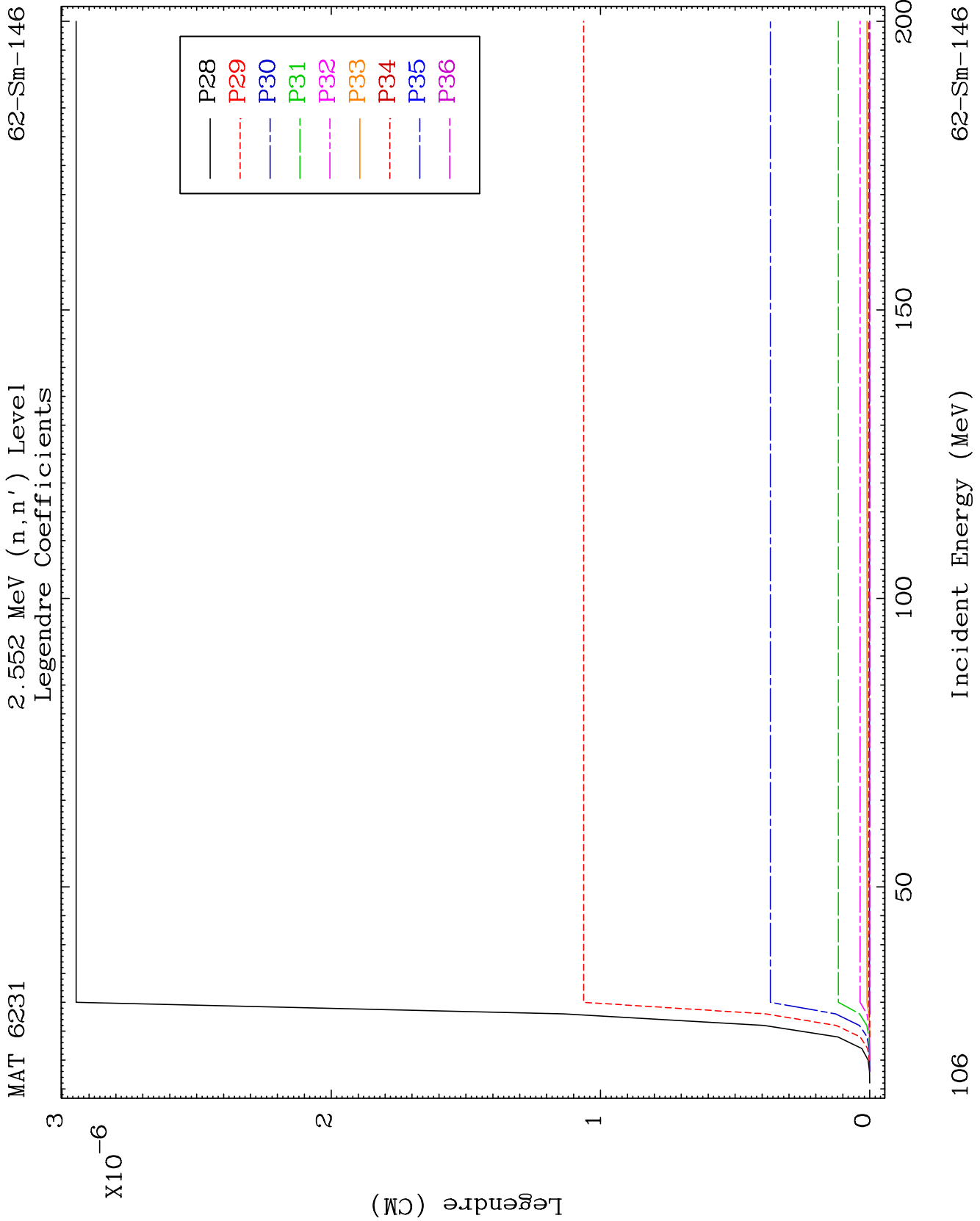


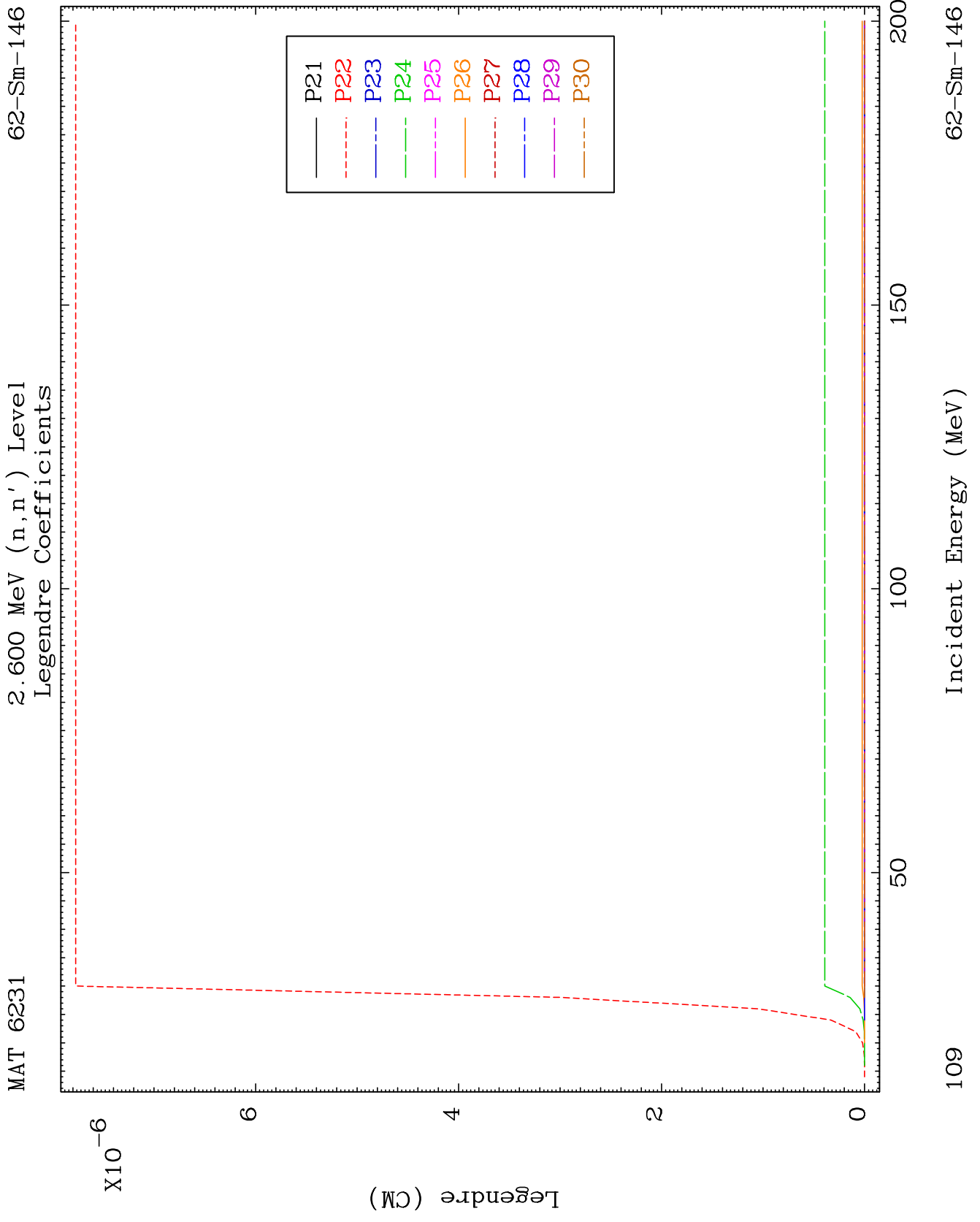
101

Incident Energy (MeV)

62-Sm-146



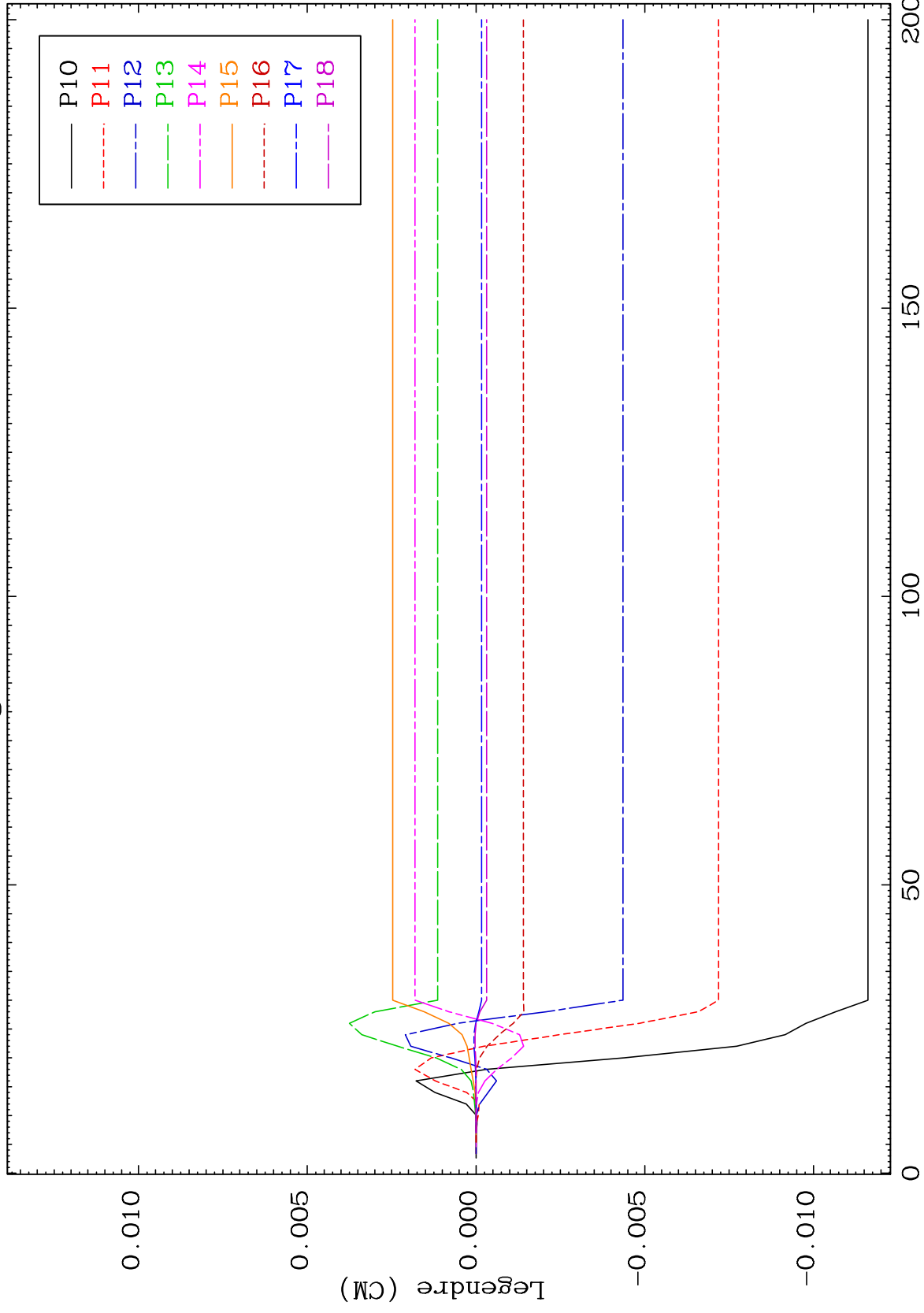




MAT 6231

2.603 MeV (n,n') Level
Legendre Coefficients

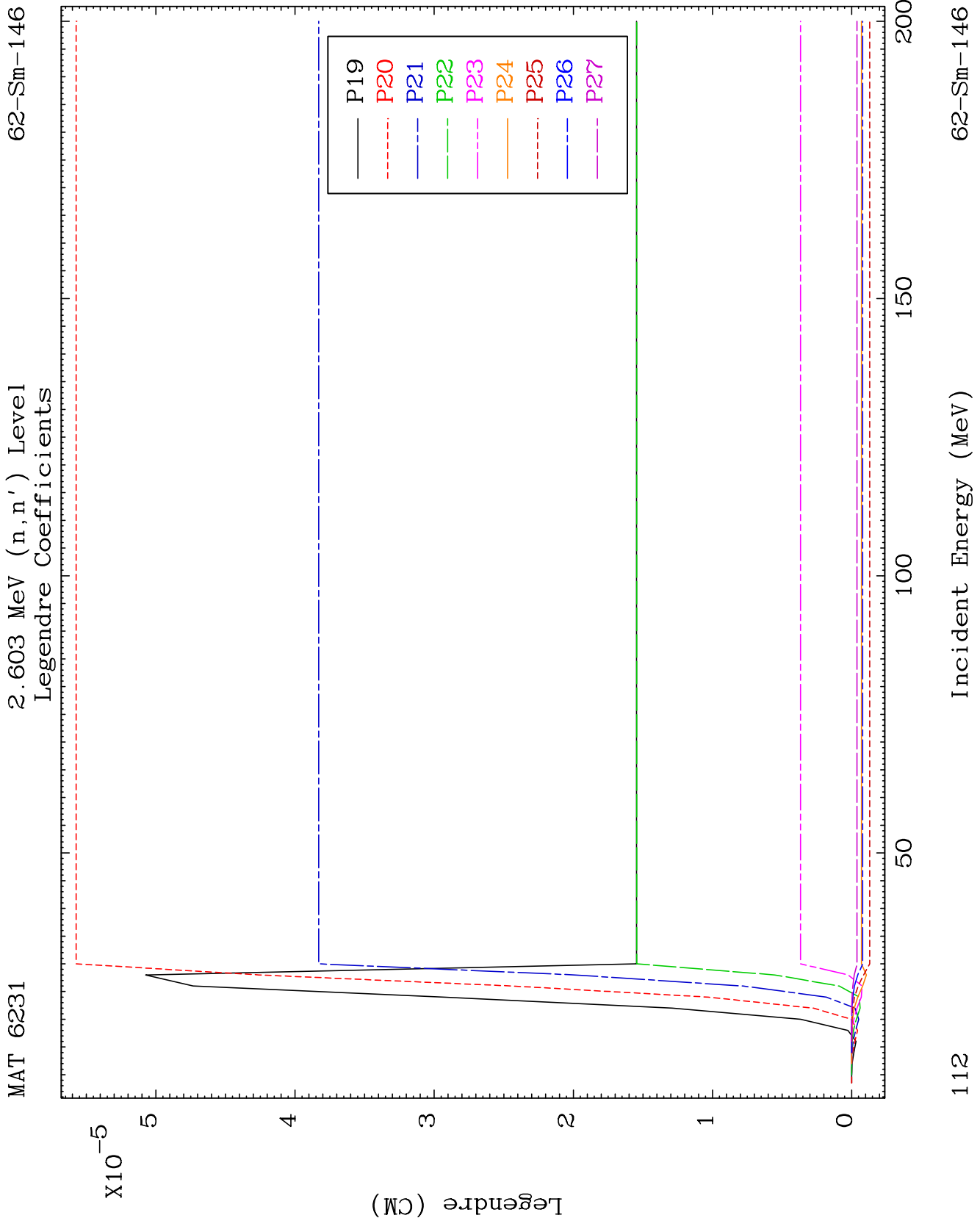
62-Sm-146

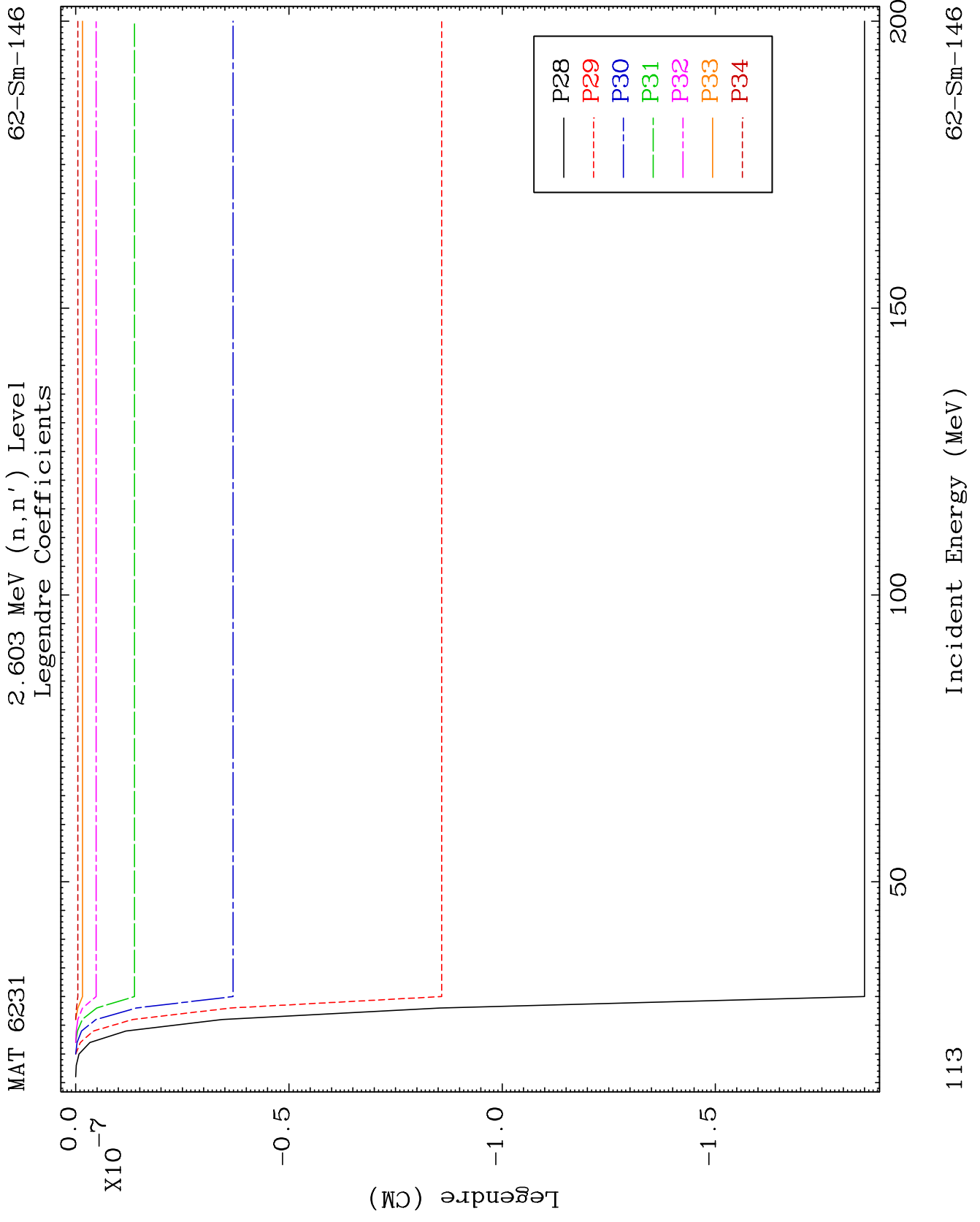


111

Incident Energy (MeV)

62-Sm-146

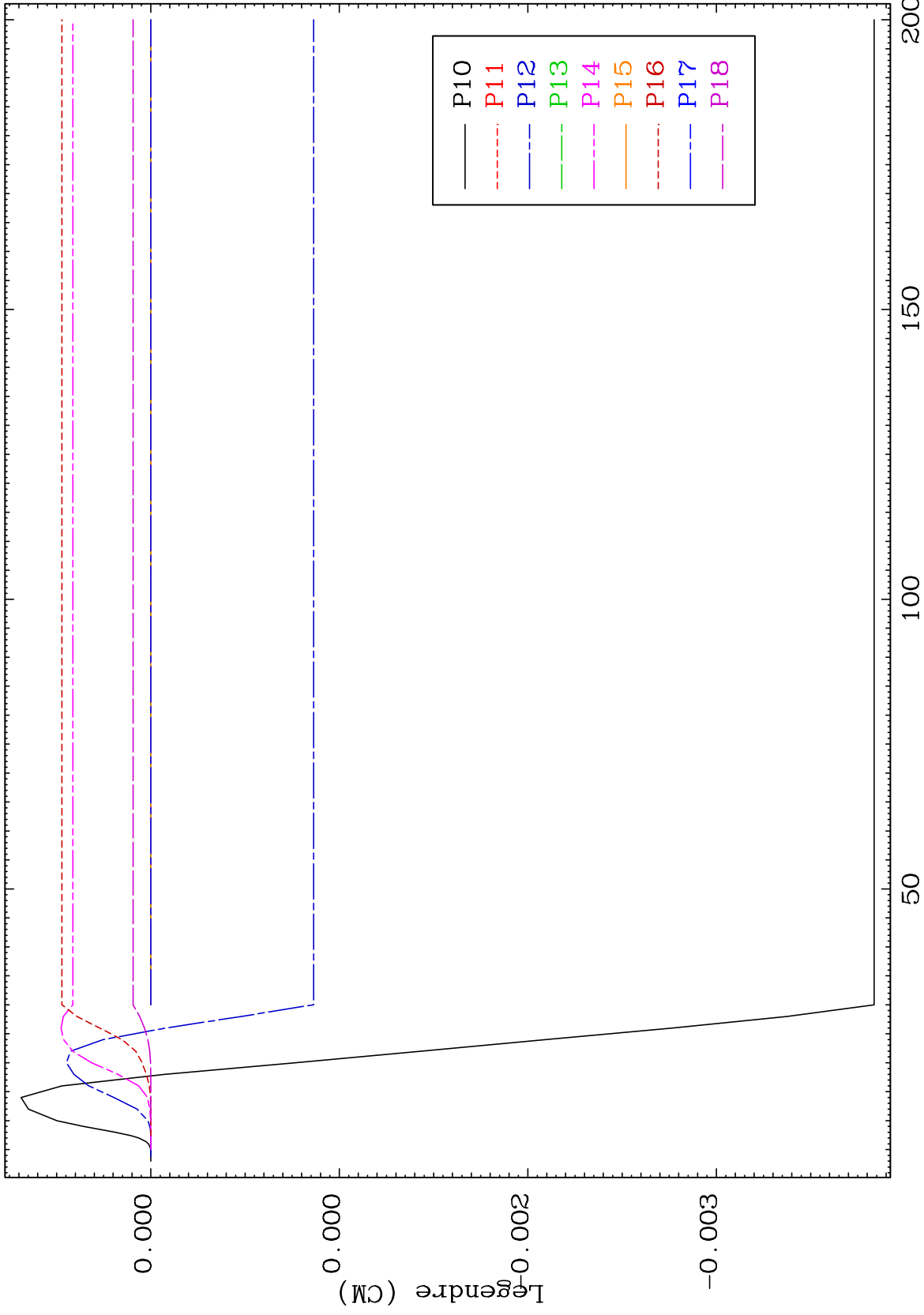




MAT 6231

2.605 MeV (n,n') Level
Legendre Coefficients

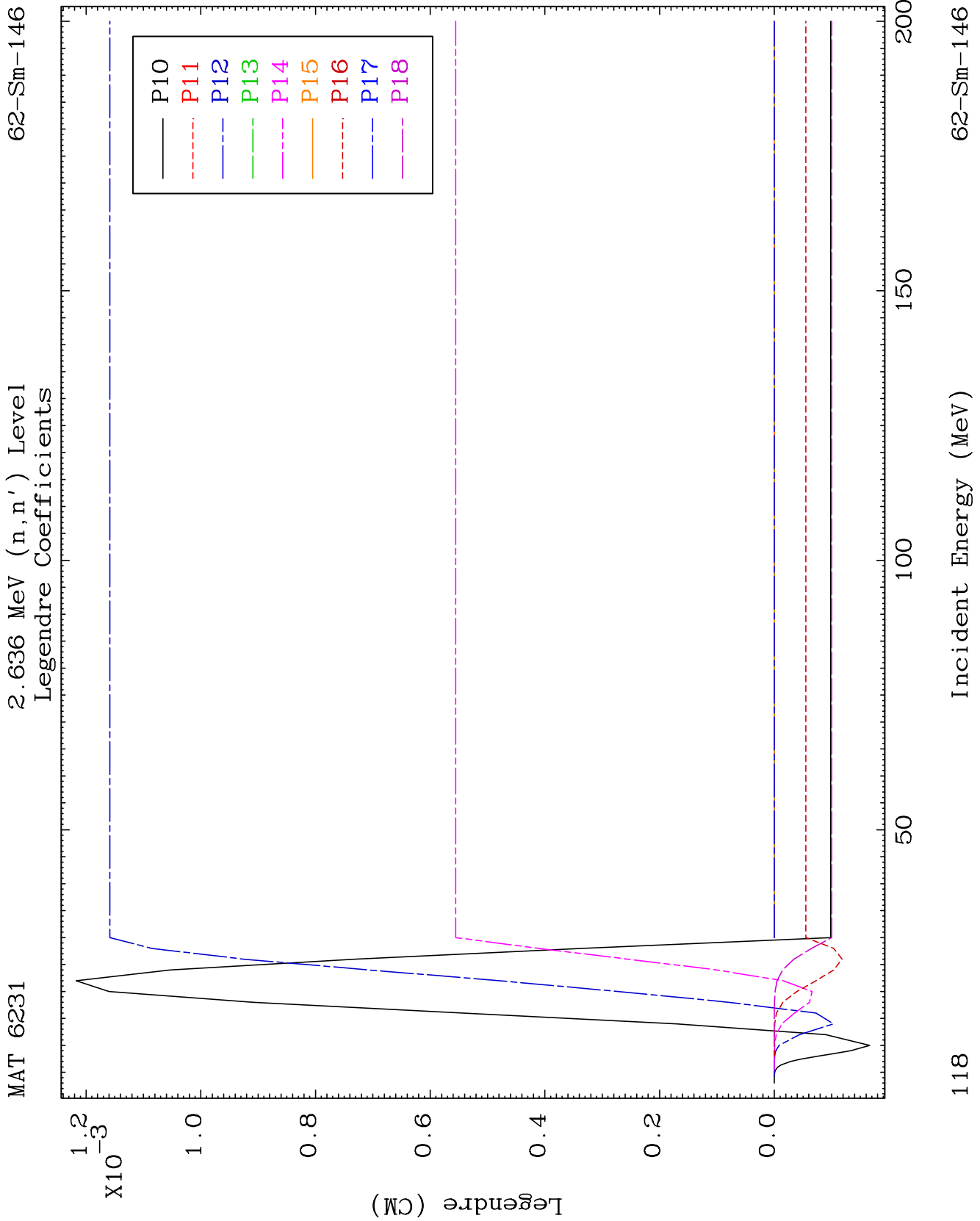
62-Sm-146

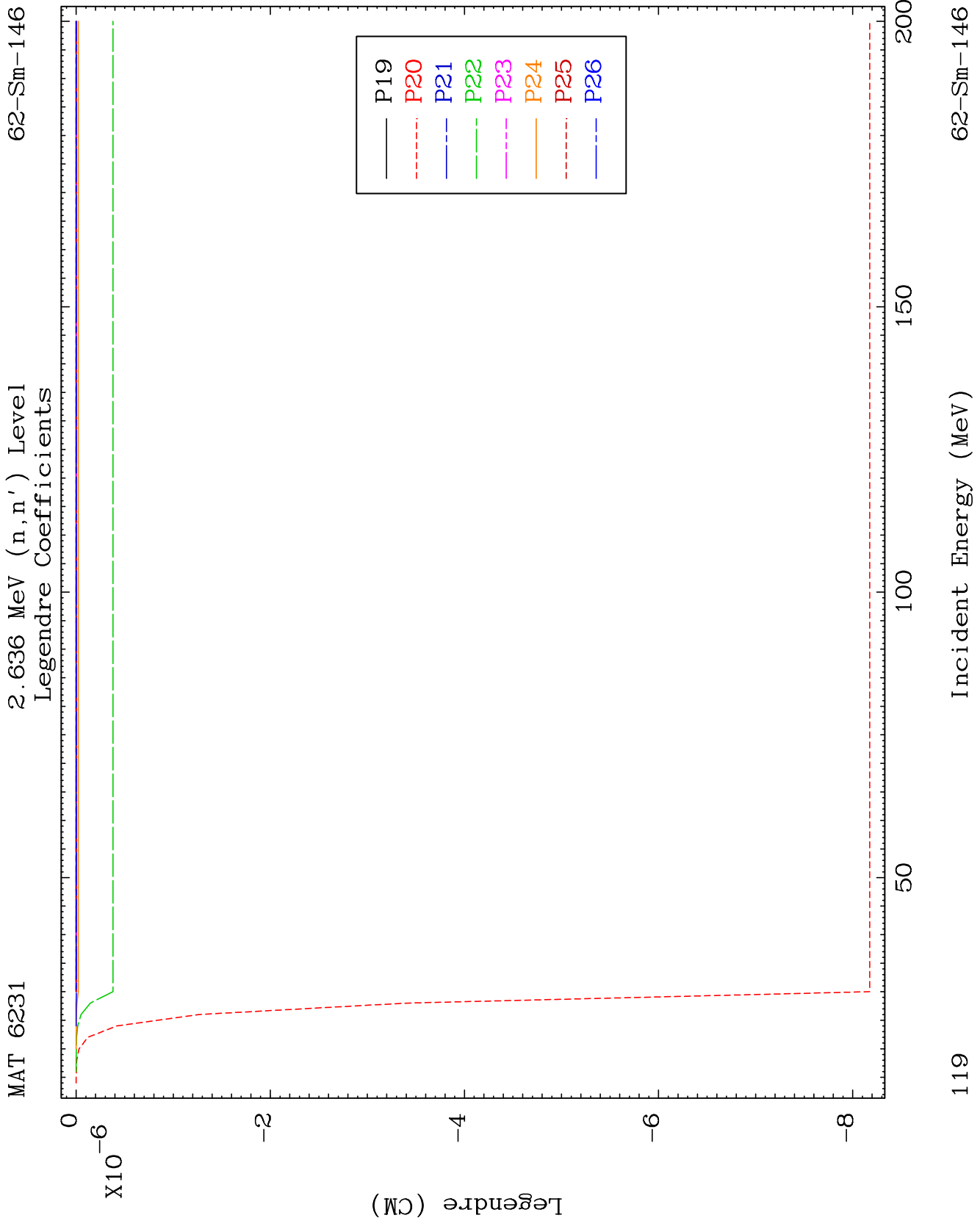


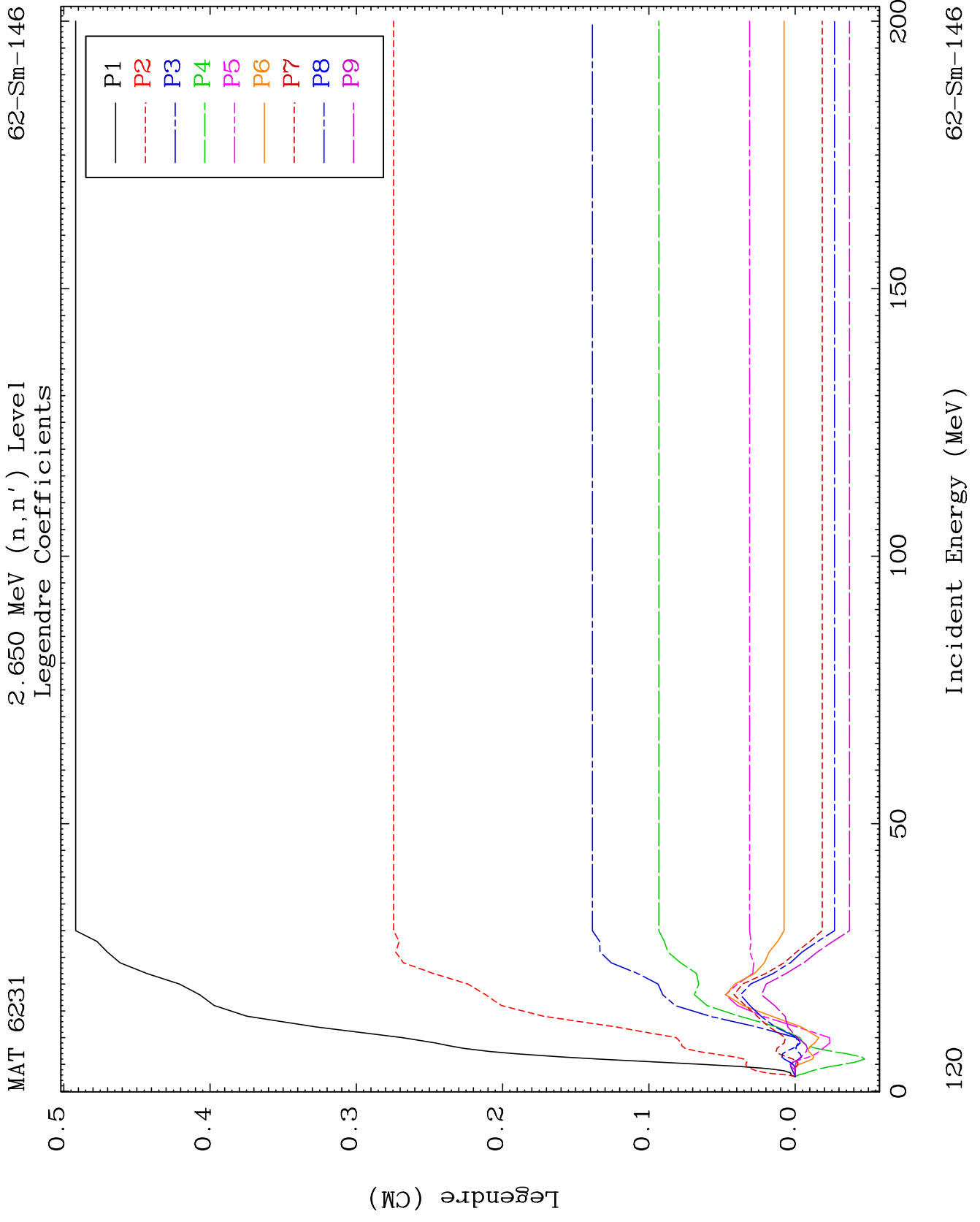
115

Incident Energy (MeV)

62-Sm-146



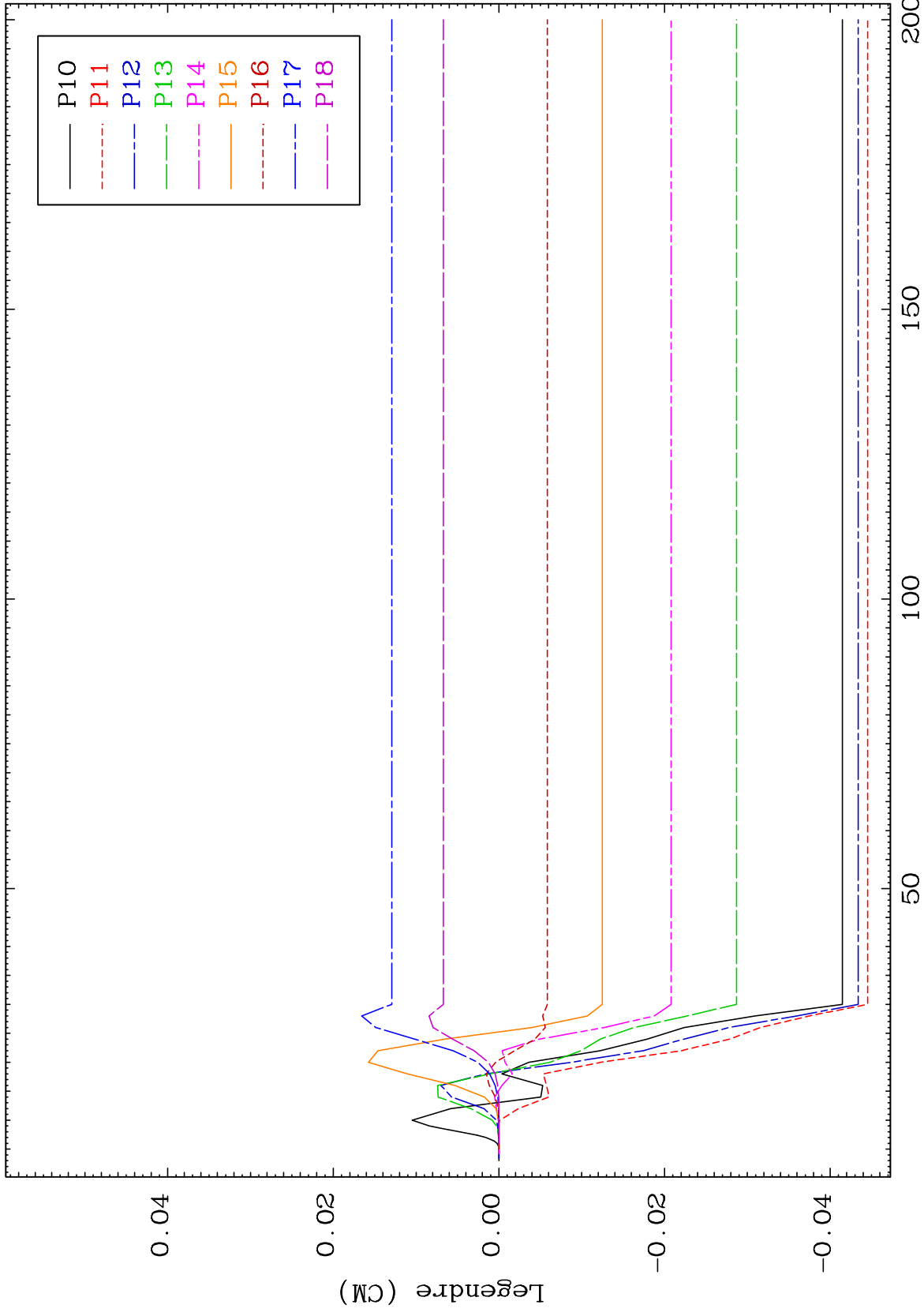




MAT 6231

2.650 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



121

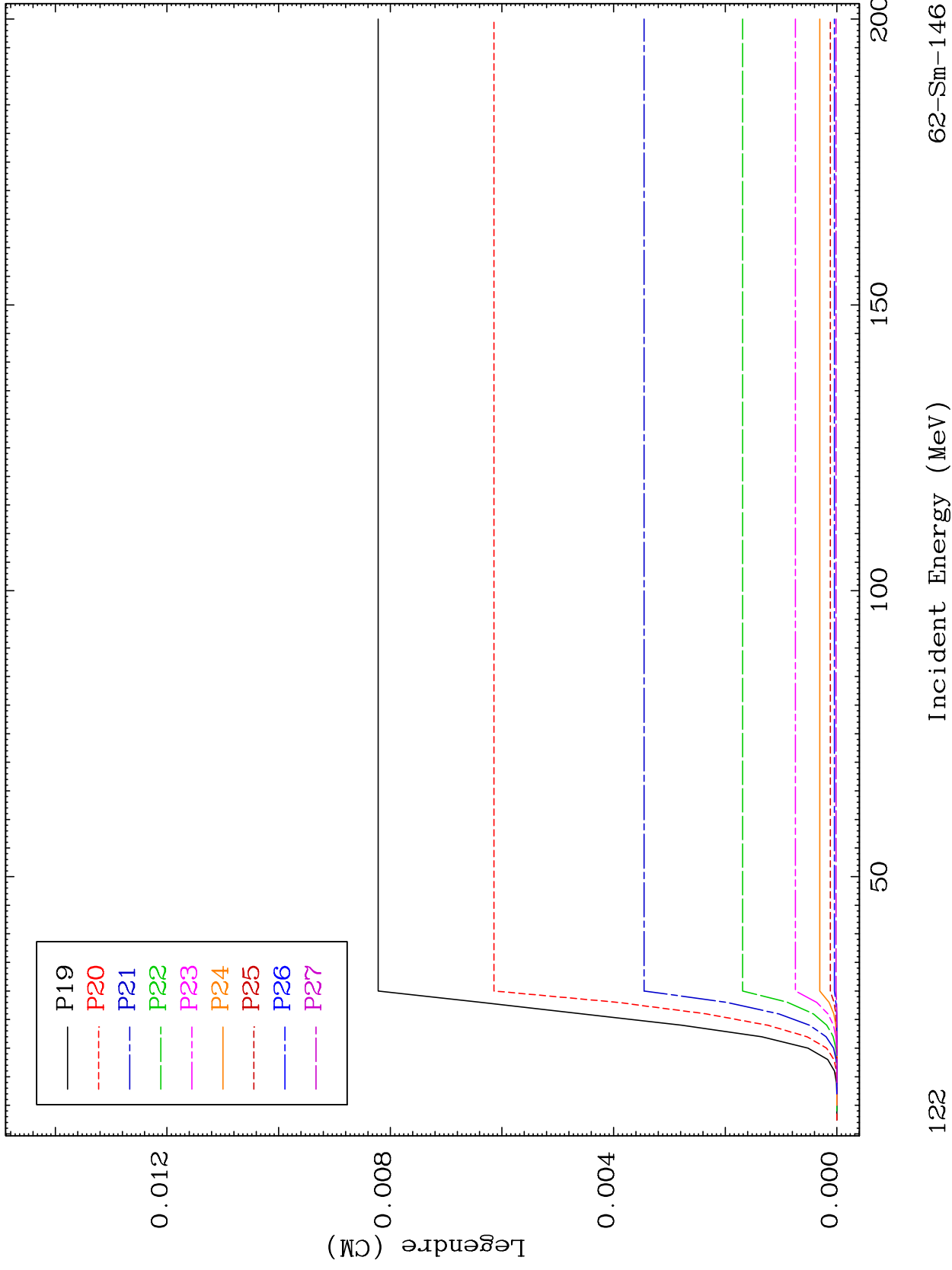
Incident Energy (MeV)

62-Sm-146

MAT 6231

2.650 MeV (n,n') Level
Legendre Coefficients

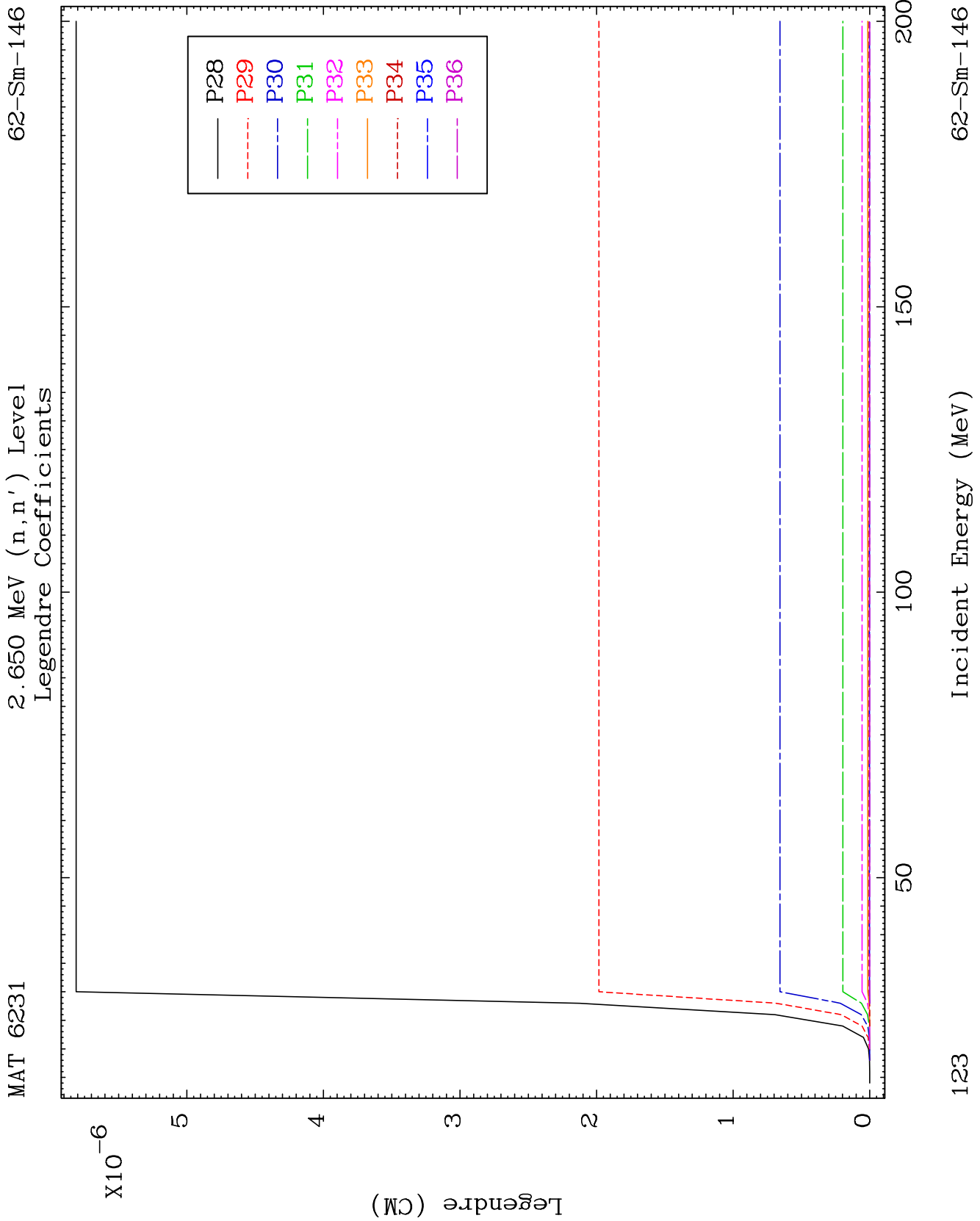
62-Sm-146



122

Incident Energy (MeV)

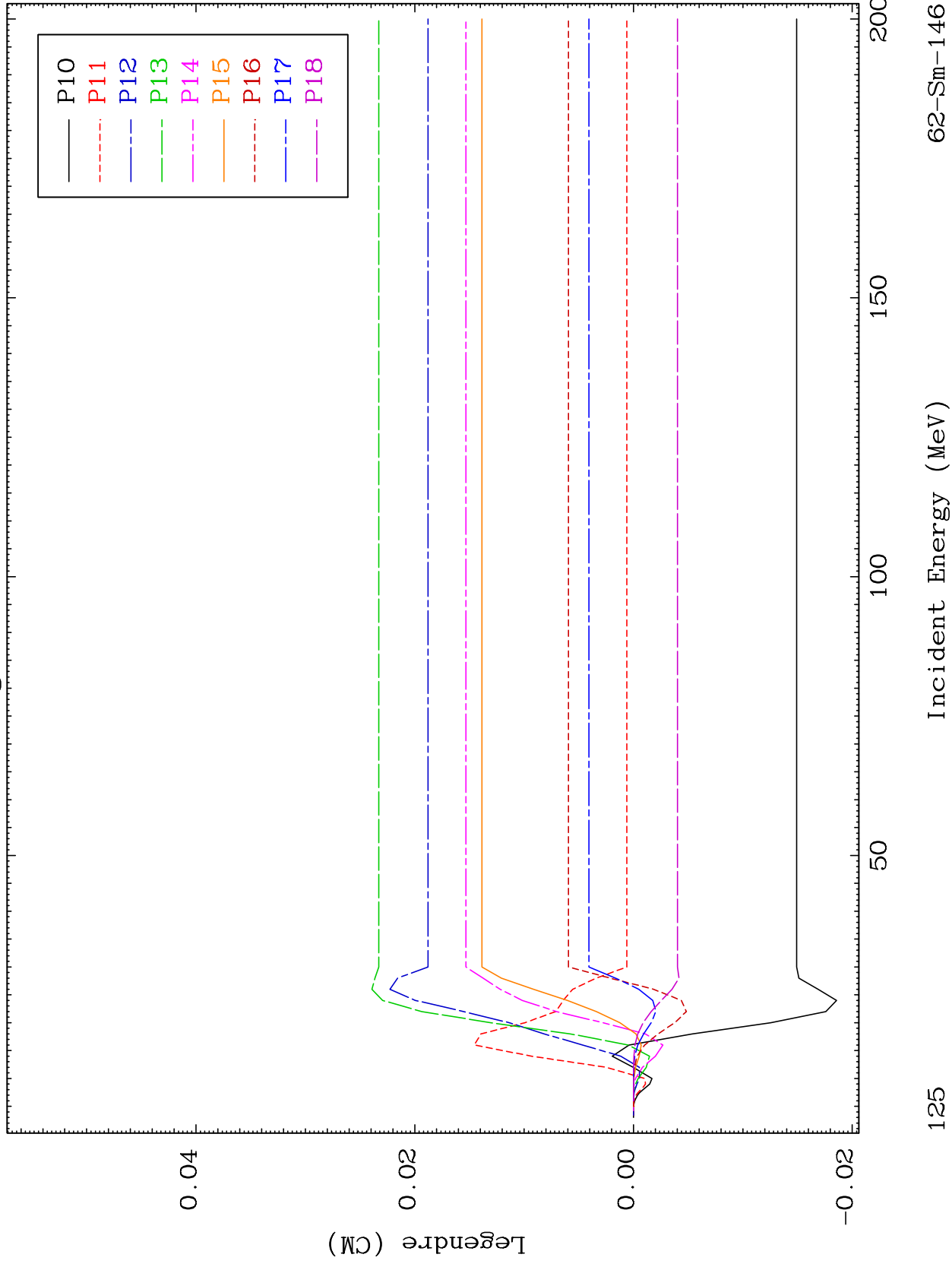
62-Sm-146



MAT 6231

2.667 MeV (n,n') Level
Legendre Coefficients

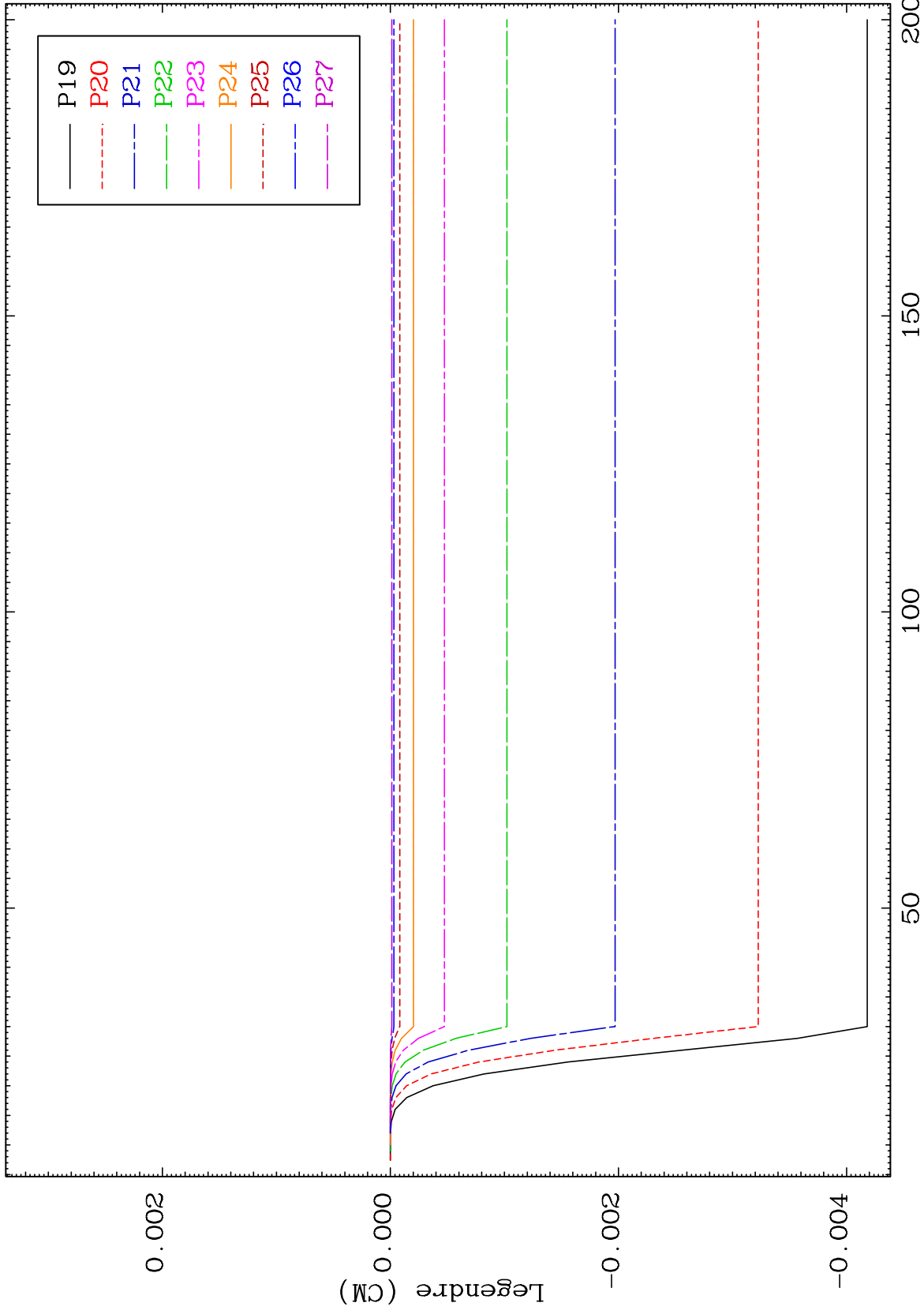
62-Sm-146

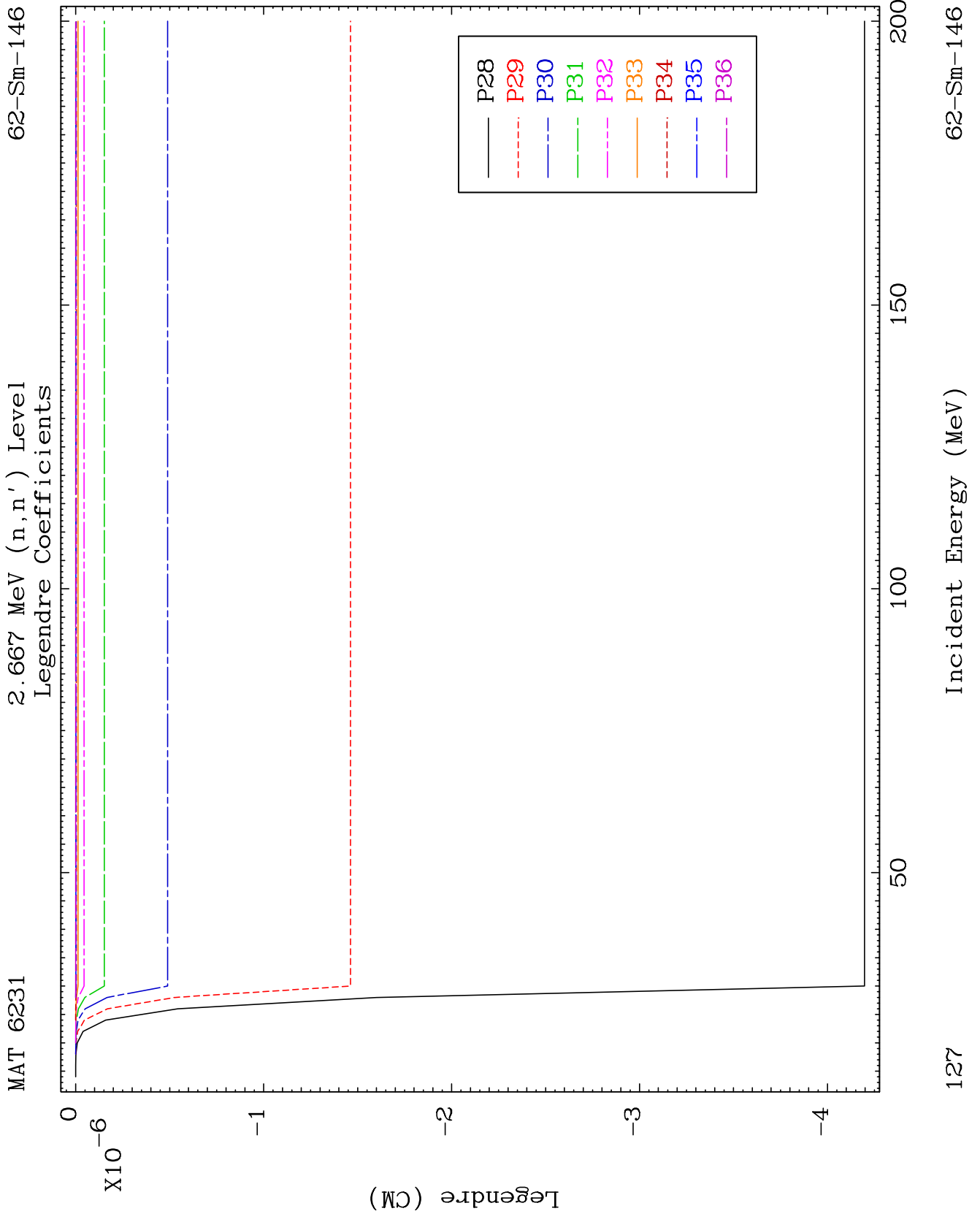


62-Sm-146

Incident Energy (MeV)

125

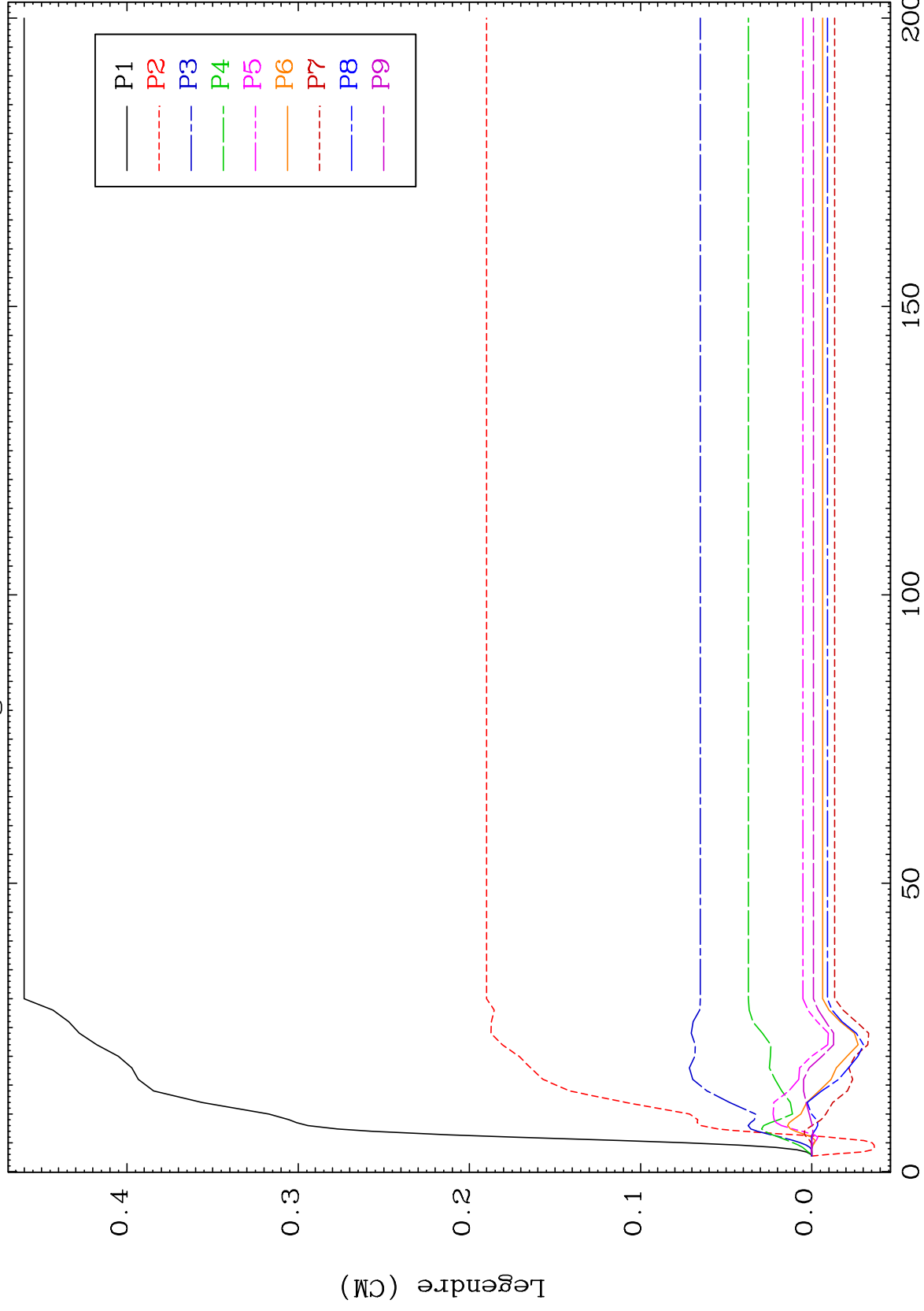




MAT 6231

2.678 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



62-Sm-146

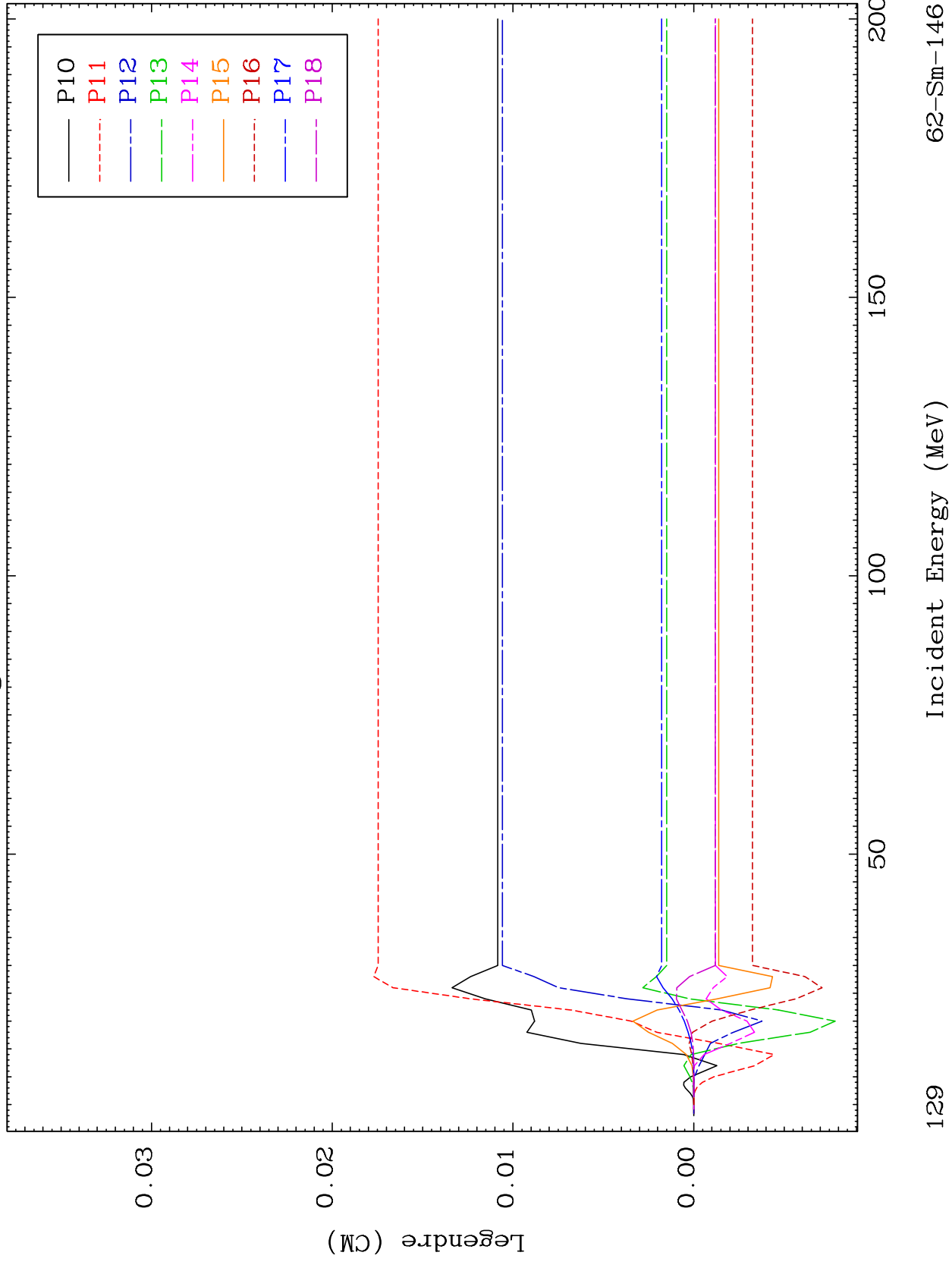
Incident Energy (MeV)

128

MAT 6231

2.678 MeV (n, n') Level
Legendre Coefficients

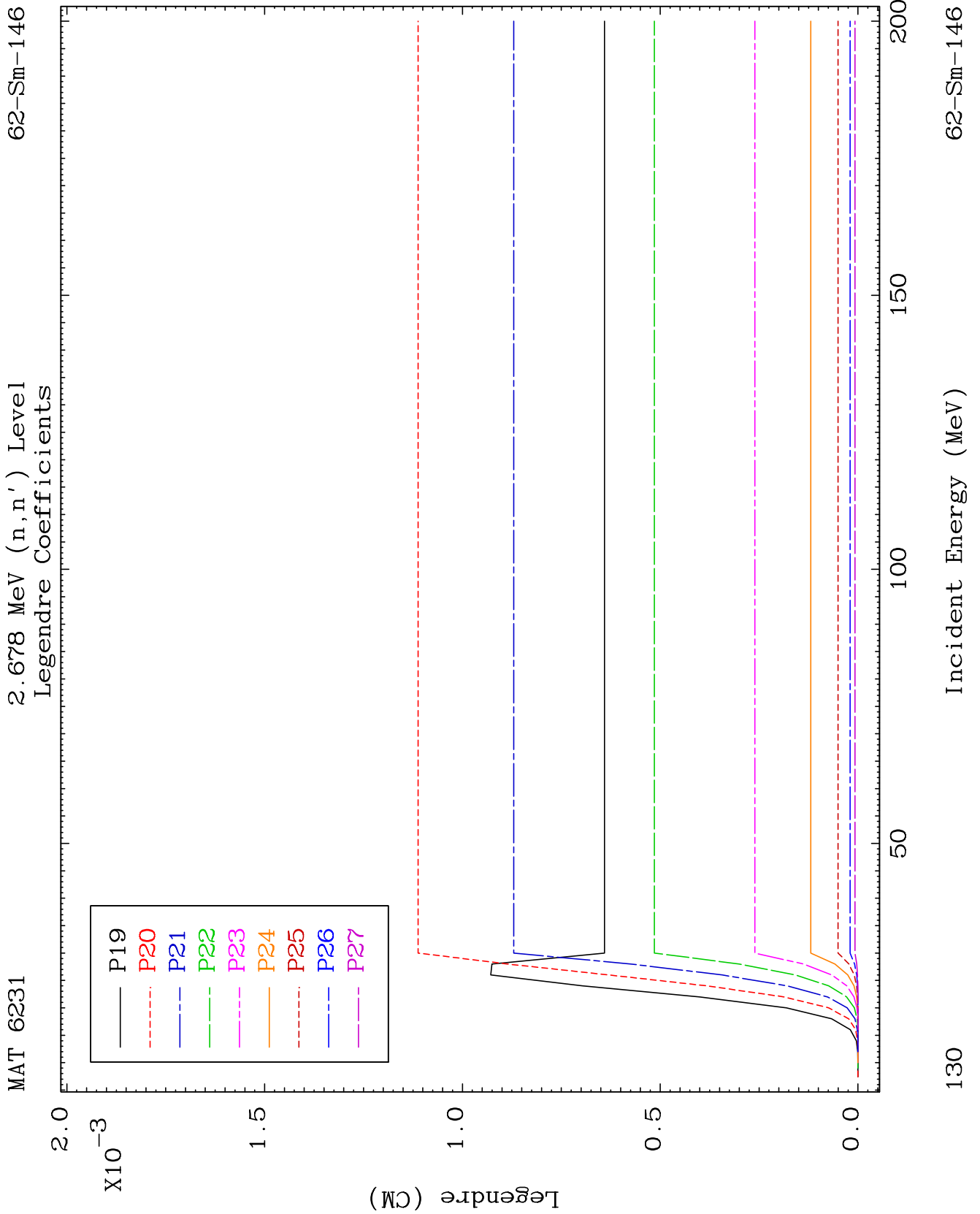
62-Sm-146



129

Incident Energy (MeV)

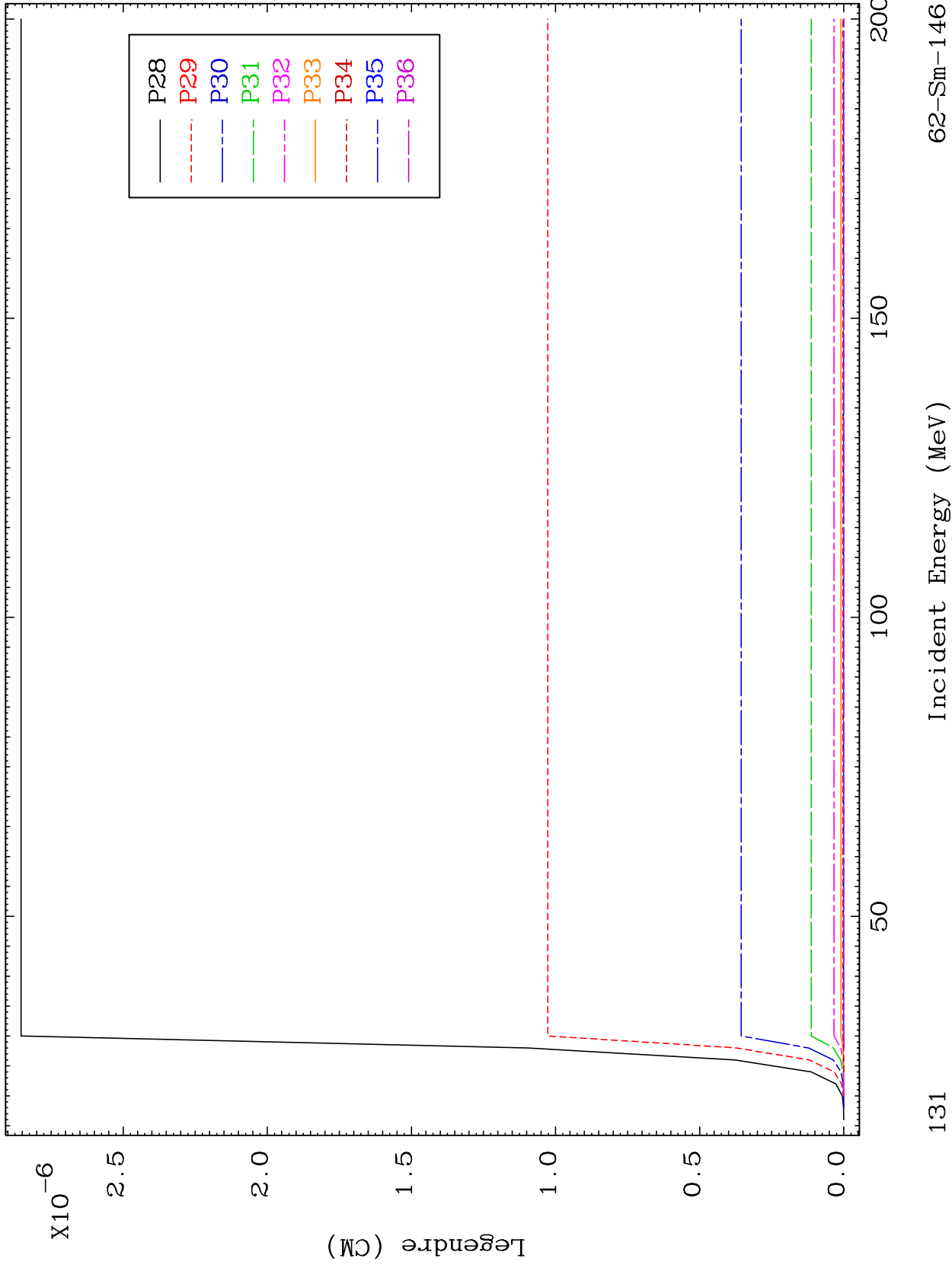
62-Sm-146



MAT 6231

2.678 MeV (n,n') Level
Legendre Coefficients

62-Sm-146



131

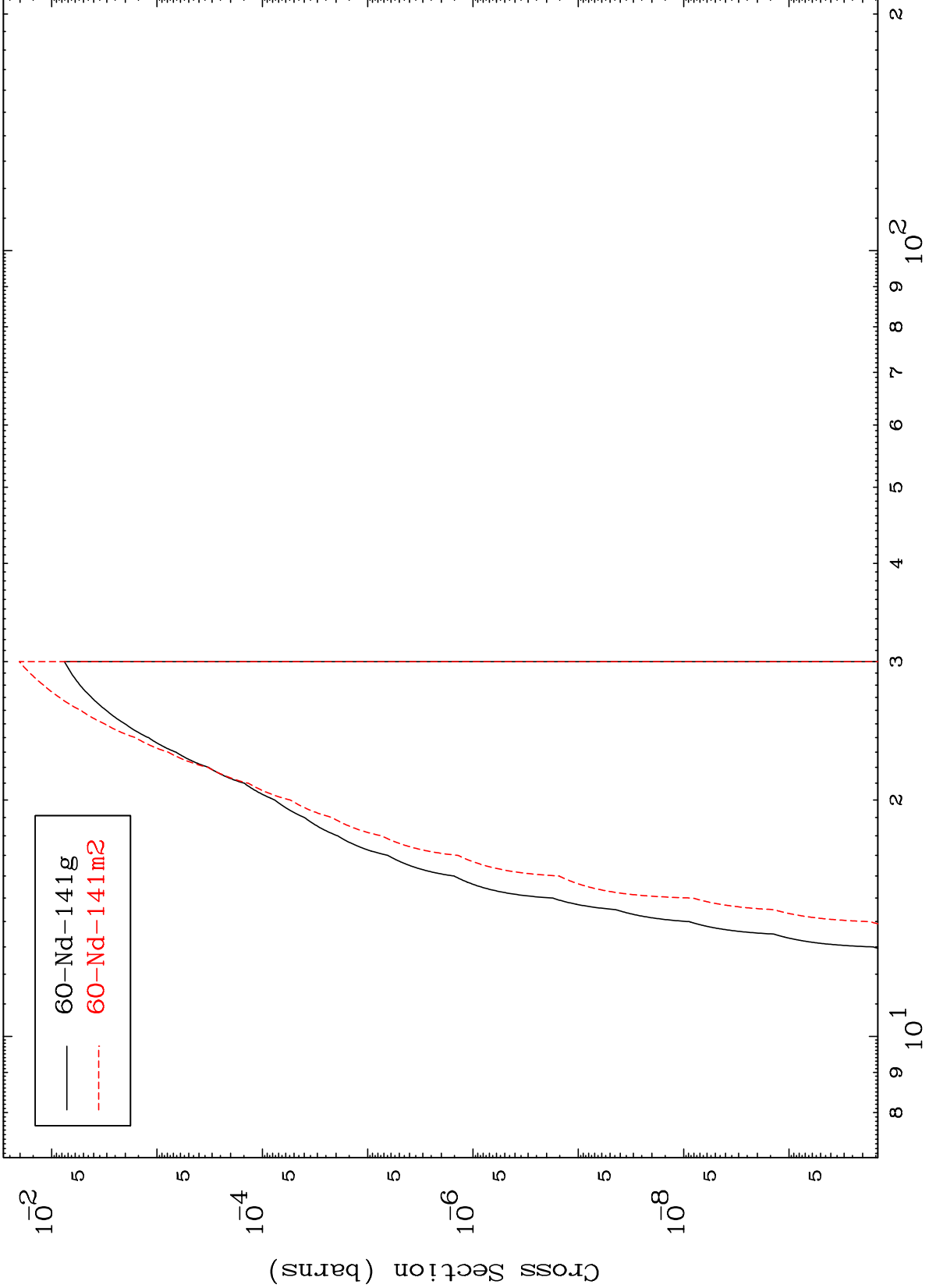
62-Sm-146

MAT 6231

(n,2n) α

62-Sm-146

Radionuclide Production Cross Section



60-Nd-141g
60-Nd-141m2

132

Incident Energy (MeV)

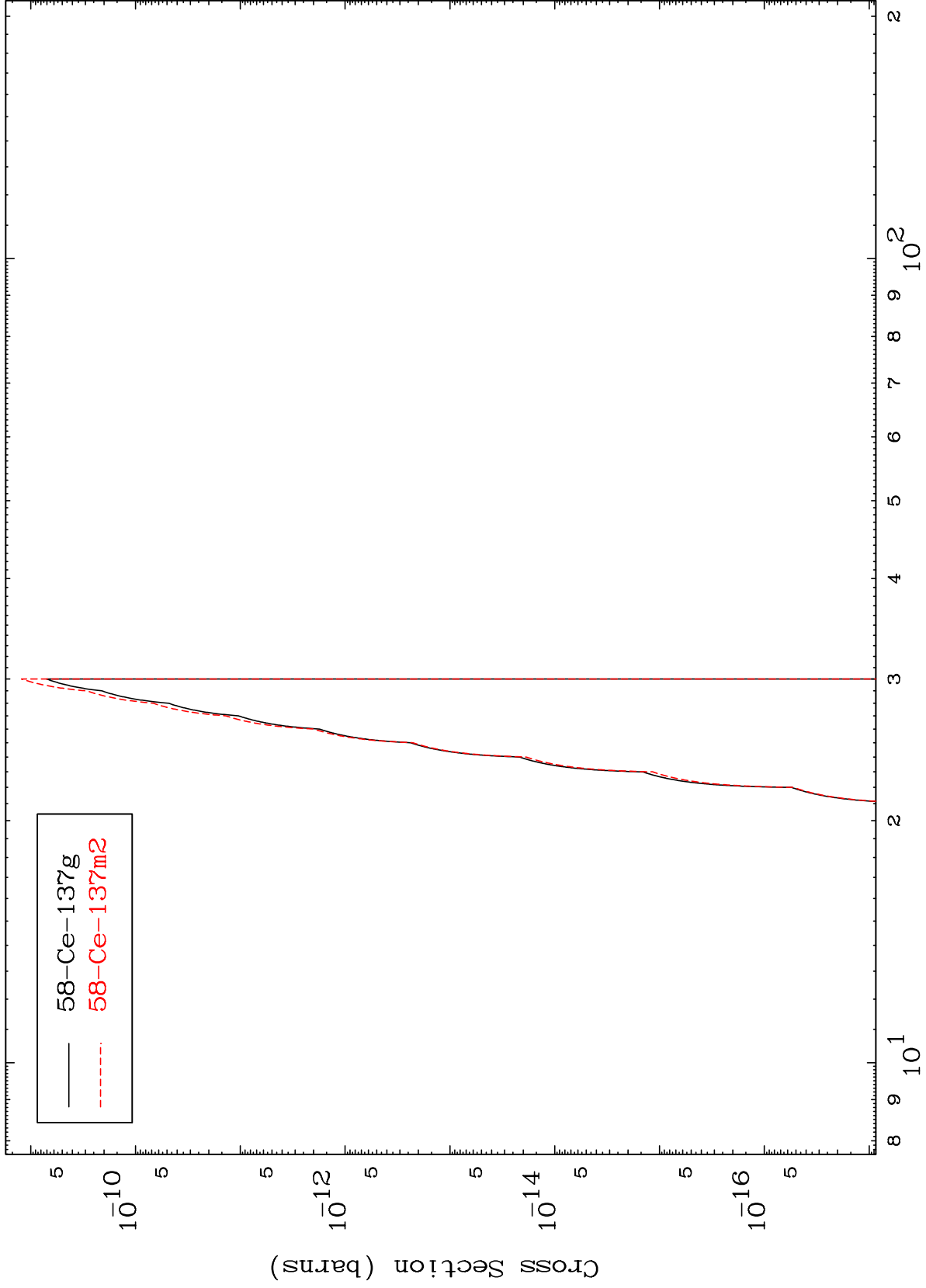
62-Sm-146

MAT 6231

(n,2n) 2α

62-Sm-146

Radionuclide Production Cross Section



133

Incident Energy (MeV)

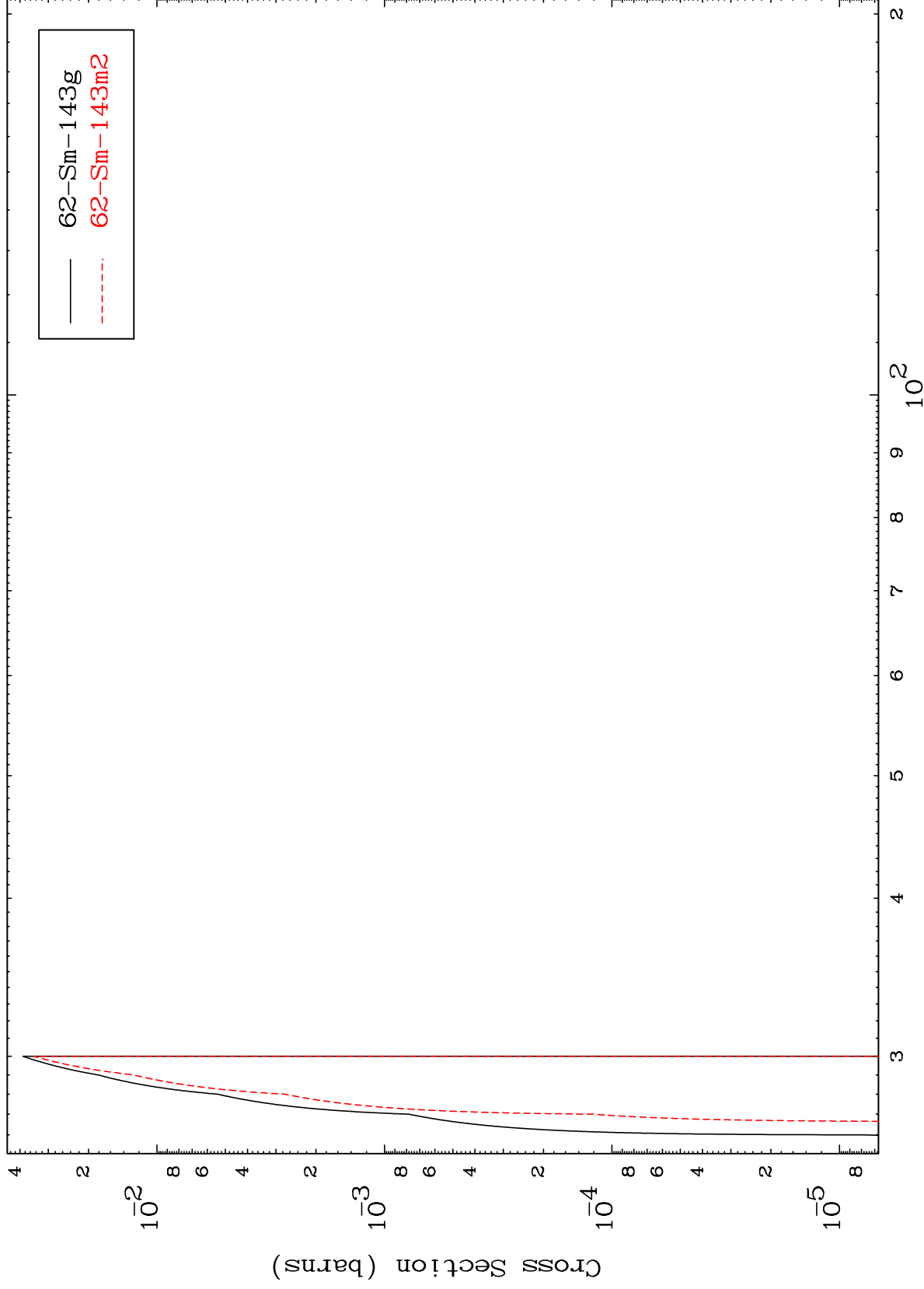
62-Sm-146

MAT 6231

(n,4n)

62-Sm-146

Radionuclide Production Cross Section



134

Incident Energy (MeV)

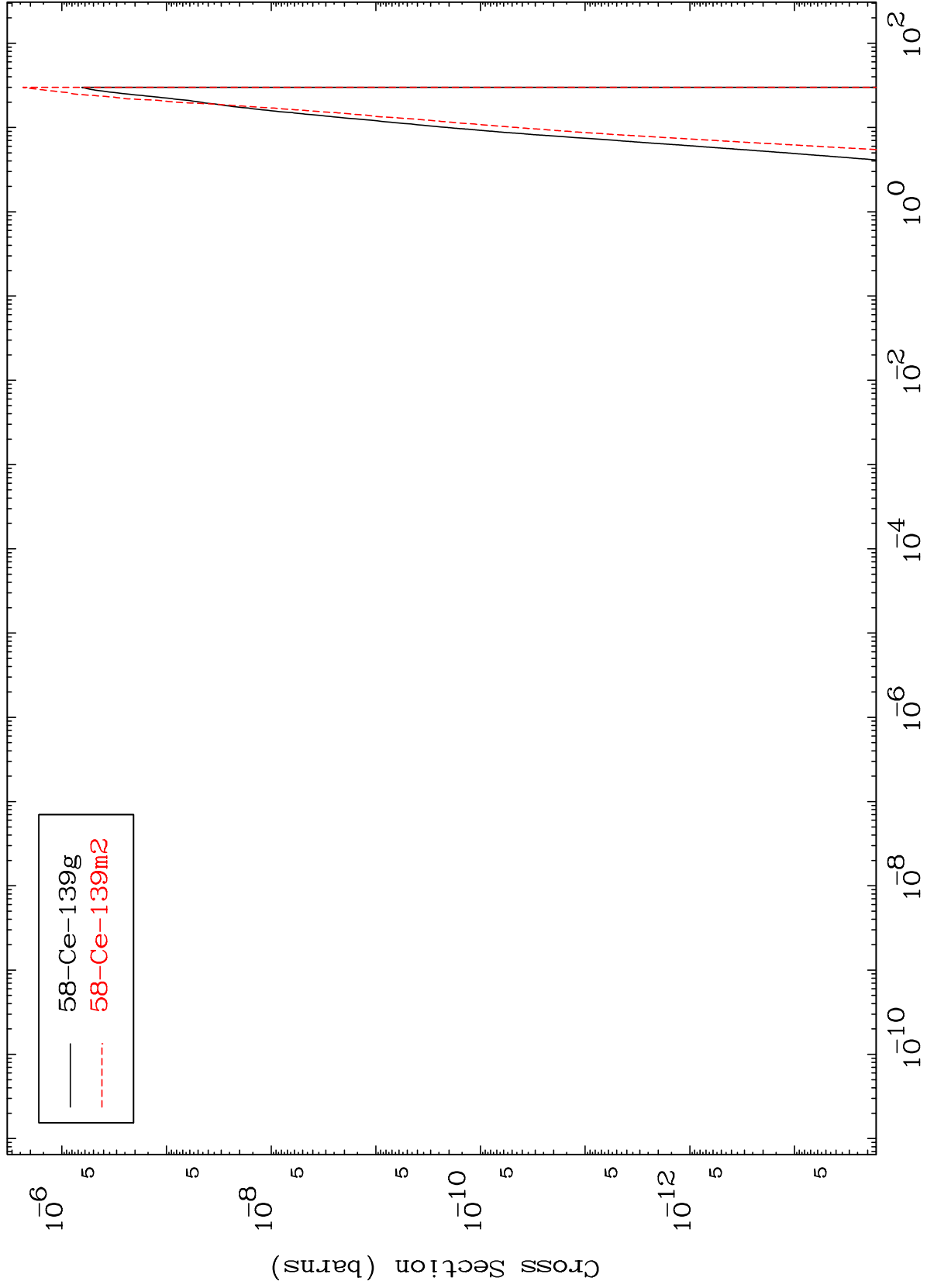
62-Sm-146

MAT 6231

(n,2α)

62-Sm-146

Radionuclide Production Cross Section



— 58-Ce-139g
- - - 58-Ce-139m2

135

Incident Energy (MeV)

62-Sm-146

MAT 6231

(n,p) α

62-Sm-146

Radionuclide Production Cross Section

